GABRYELEWICZ, A.

Clinical aspects & treatment of poisoning by ethylated benzine. Polski tygod. lek. 13 no.51:2065-2067 22 Dec 58.

1. (Z II Klin. Chor. Wewn. A.M. im. J. Marchlewskiego w Bialymstoku; Kierownik; prof. dr med. J. Chlebowski).
(PETROLEUM PRODUCTS, pois.
ethylated benzine pois., clin. aspects & ther. (Pol))

ROSTAFINSKA, J.; TOLLOCZKO, A.; GABRYELEWICZ, A. 1959

Atypical multiple myeloma. Polskie arch. med. wewn. 29 no.2:278-281 1959.

1. Z II Kliniki Chorob Wewnetrznych A. M. w Bialymstoku Kierownik: prof. dr med. J. Chlebowski i z I Kliniki Chirurgicznej A. M. w Bialymstoku Kierownik: z prof. dr med. F. Olenski. Adres Bialystok, ul. Piwna 25, II Klinika Chor. wewn. A.M.
(MYELOMA-PLASMA CELL, case reports, atypical case (Pol))

POLAND/General Problems of Pathology - Tumors. Comparison Oncology. Human Neoplasms. U

Abs Jour : Ref Zhur Biol., No 1, 1959, 4263

Author : Chlebowski, J., Konczynski, L., Zablocka, I.
Inst :
Title : Primary Erythroblastosis.

Orig Pub : Polskie arch. med. wewnetrz, 1957, 27, No 4, 533-540

Abstract : A brief survey of the section of the pathogenetic main points and clinical classification of erythroblastosis, and also a description of a case of subacute erythroblastotic myelosis in a patient 62 years old. The disease lasted 4 months. Only mature erythroblasts were found in the peripheral blood; young forms appeared only during the terminal period. Also unusual was the gradual decrease of the number of myeloid elements with the development of a granulocytosis. -- F.L. Mayzil'

Card 1/1

Chlebowski, J.

4 May 59 5754751

ZABLOCKA, Irena

Anemia in pregnancy. Polski tygod. lek. 14 no.18:830-832 4 May 59.

1. (Z II Klin. Chor. Wewn. A. M. im. J. Marchlewskiego w Bialymstoku; kierownik: prof. dr med. J. Chlebowski). Adres: Bialystok, ul. Piwna 25 II Klinika Chorob Wewnetrznych A.M.
(PREGNANCY, compl.
anemia (Pol))
(ANEMIA, in pregn.
(Pol))

Chlebowski J.

WASILEWSKA, Alina; ZABLOCKA, Irena 11 May 59 5754751

A case of agranulocytosis after pyramidon administration. Polski tygod. lek. 14 no.19:865-867 11 May 59.

1. Z II Klin. Chor. Wewn. AM im J. Marchlewskiego w Bialymstoku; kierownik: prof. dr J. Chlebowski. Adres: Bialystok, II Klin. Chor. Wewn. A. M.

(AMINOPYRINE, inj. eff.
agranulocytosis, case report (Pol))
(AGRANULOCYTOSIS, etiol. & pathogen.
aminopyrine, case report (Pol))

DUBOWICKA-GABRYELEWICZ, Maria

2 Sept 59

A case of hypo-gamma globulinemia during the course of generalized lymphosarcoma. Polski tygod. lek. 14 no.39:1756-1757 29 Sept 59.

1. (Z II Kliniki Chorob Wewnetrznych A. M. im. J. Marchlewskiego w Bialymstoku; kierownik: prof. dr J. Chlebowski).
(LYMPHOSARCOMA, compl.) (AGAMMAGLOBULINEMIA, etiol.)

Chlebowski, Jakub 60 S-75475

DUBOWICKA-GABRYELEWICZOWA, Maria

Use of hormones of the adrenal cortex in edemas of various etiologies. Polskie arch.med.wewn. 30 no.6:805-806 '60.

1. Z II Kliniki Chorob Wewnetrznych A.M. im. J.Marchlewskiego w Bialymstoku Kierownik: prof. dr med. J.Chlebowski
(EDEMA ther)
(ADRENAL CORTEX HORMONES ther)

WASILEWSKA, Alina; OBRZUT, Ambrozy A.

Oscillometric index and intramuscular and surface temperature of the lower extremities in diabetic patients. Polski tygod.lek. 15 no.39:1486-1490 26 S '60.

1. Z II Kliniki Chorob Wewnetrznych A.M. im. J.Marchlewskiego w Bialymstoku; kierownik: prof. dr med. J.Chlebowski i z I Klin. Chirurgicznej AMB.; kierownik: z-ca prof. dr med. F.Olenski
(DIABETES MELLITUS physiol)
(BODY TEMPERATURE)

POLAND

STRACZKOWSKI, Witalis; Second Clinic of Internal Diseases (II Klinika Chorob Wewnetrznych) of the J. Marchlewski AM (Akademia Medyczna -- Medical School) in Bialystok, Director: Prof Dr Med J. CHLEBOWSKI

"Myocardial Infarction Caused by Paroxysmal Tachycardia"

Warsaw, Polski Tygodnik Lekarski, Vol XVIII, No 8, 18 Feb 1963, pp 301-302.

Abstract: [Author's English summary modified] In a man of 39 years with a history of 2 paroxysms of tachycardia in the last two years, each lasting several hours, a severe attack of ventricular tachycardia developed. In the course of the attack retrosternal pain developed. Tachycardia was overcome after 11 days and anteroseptal infarction was diagnosed. The patient recovered after 2 months. 2 diagrams; 3 Western references.

1/1

CHLEBOWSKI, J.

Pathogenesis of pulmonary emphysema. Pol. arch. med. wewnet. 34 no.11:1401-1403 '64

CHLEBOWSKI, Jakub; ROSTAFINSKA, Jadwiga; WASILEWSKA, Alina

Atypical diabetic coma. 2 case reports. Wiad. lek. 18 no.5: 425-427 1 Mr '65

1. Z II Kliniki Chorob Wewnetrznych, AMB (Kierownik: prof. dr. J. Chlebowski).

CHLEBOWSKI, Roman

Ammonite fauna in the Albian sandstone of Chelmowa Gora. Przegl geol 10 no. 4/5:223-229. Ap-My '62

1. Uniwersytet, Warszawa.

GALANKA, Jozef, prof, mgr inz. [deceased]; CHLEBOWSKI, Tadeusz, dr [deceased]; SZTELAK, Jozef, mgr inz.; ZIMNY, Waldemar, mgr inz.

Hydrogeologic and engineering-geologic studies for planned pit shafts. Rudy i metale 8 no.10:377-381 '63.

CHLEBOWSKY, TEOFIL.

Anorganicka chemie pro hutniky a horniky. Celostatni vysokoskolska ucebnice. [Vyd. 1.] Praha, Statni nakl. technicke literatury, 1957. 461 p. [Inorganic chemistry for metallurgic and mining engineers; a university textbook. 1st ed. illus., bibl., graphs, indexes, tables]

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Un

CHLEBUS, Henryk; FILIPECKI, Stanislaw; SZHAJDERMAN, Marek.

Frequency of thromboembolic complications in chronic circulatory insufficiency. Kardiol.polska 1 no.1-2:67-69 1954.

1. Z II Kliniki Chorob Wewnetrznych AM w Warszawie.Kierownik: prof. dr med. M. Semerau-Siemianowski.
(CONGESTIVE HEART FAILURE, complications, thromboembolism)
(THROMBOEMBOLISM, complications congestive heart failure)

CHLEBUS, H.

EXCERPTA MEDICA Sec.6 Vol.10/11 Internal Medicine Nov56

6870. CHLEBUS H., FILIPECKI St., MICHAJLIK A. and WYSZNACKA W. 2. Klin. Chorób Wewn. A.M., Warszawa. Pyelonephritis w świetle badań czynności nerek współczesnymi metodami czynnościowymi. Renal functions in chronic pyelonephritis. POL. TYG. LEK. 1956, 11, 1 (13-20) Graphs 4 Tables 3

Clearance of endogenous creatinin and diodrast and the diodrast Tm were determined in 26 patients with chronic infections of the urinary tract. Most of them showed no evidence of renal failure, but renal functions were found definitely abnormal in 10 subjects. The maximum tubular excretion of diodrast (Tm_D) deteriorated relatively early in the course of the disease and was the best practical index of renal damage. Selective impairment of the Tm_D was reflected in the abnormally high values of the ratio GFR/Tm_D. The ratio C_D/Tm_D remained normal in most cases of chronic pyelonephritis. The tubular reabsorption of water during dehydration was also determined in 23 subjects. Most of them were able to reabsorb more than 99% of the glomerular filtrate. Determination of the renal function is of great prognostic value in chronic pyelonephritis, indicating renal parenchymal lesions long before the appearance of clinical signs of renal failure. Michajlik - Warsaw

ALEKSANDROW, Dymitr; WYSZMACKA, Wanda; CHLEBUS, Henryk; FILIPECKI, Stanislaw; RYCEROWA, Maria; MICHAJLIK, Aleksander

Renal function in patients with pyelonephritis and its changes under the influence of therapy. Polskie arch. med. wewn. 29 no.4:491-502 1959.

1. Z II Kliniki Chorob Wewnetrznych A. M. w Warszawie Kierownik: prof. dr med. D. Aleksandrow.
(PYELONEPHRITIS, ther.)

ALEKSANDROW, Dymitr; WYSZNACKA, Wanda; CHLEBUS, Henryk; FILIPECKI, Stanislaw; MICHAJLIK, Aleksander; RYCEROWA, Maria.

Remote results of the treatment of pyelonephritis. Polskie arch. med. wewn. 29 no.4:503-509 1959.

1. Z II Kliniki Chorob Wewnetrznych A. M. w Warszawie Kierownik: prof. dr med. D. Aleksandrow.
(PYELONEPHRITIS, ther.)

CHLEBUS, Henryk

The effect of nitroglycerine on the cardiovascular system of patients with coronary heart disease. Polski tygod.lek. 15 no.35: 1337-1343 29 Ag '60.

1. Z II Kliniki Chorob Wewnetrznych A.M. w Warszawie; kierownik: prof. dr med. D.Aleksandrow.
(NITRITES ther.)
(CORONARY DISEASE ther.)

CHLEBUS, H.; NIELUBOWICZ, J.; RAJSZYS, R.; WYSZNACKA, W.; ZGLICZYNSKI, L.

A case of Ebstein's anomaly. Pol. tyg. lek. 17 no.29:1151-1156 16 Jl '62.

1. Z II Kliniki Chorob Wewnetrznych; kierownik: prof. dr med. D. Aleksandrow, z I Kliniki Chirurgicznej: kierownik: doc. dr med. J. Nielubowicz i z Zakladu Radiologii Lekarskiej AM w Warszawie; kierownik: prof. dr nauk med. W. Zawadowski.
(EBSTEIN'S ANOMALY)

CHLEBUS, Henryk

On the value of cardiographic studies in the determination of intra-arterial pressure deviations. Pol. arch. med. wewn. 33 no.1:77-83 '63.

1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej w Warszawie Kierownik: prof. dr med. D. Aleksandrow.
(ARTERIOSCLEROSIS) (BALLISTOCARDIOGRAPHY) (ELECTROCARDIOGRAPHY) (GLYCERYL TRINITRATE) (ANGIOGRAPHY) (BLOOD PRESSURE)

GOR'KOV, Aleksandr Vasil'yevich; CHLEK, Yuriy Isaakovich; SHLAYN, I.B., kand.tekhn.nauk, retsenzent; MEYKOM, R.V., inzh., retsenzent; PETROV, G.D., inzh., nauchnyy red.; MAR'YANSKIY, L.P., red.; AKULOV, D.A., red.; SOKOL'SKIY, I.F., tekhn.red.

[Reconstruction of quarries supplying building materials to the Stalingrad Hydroelectric Power Station] Rekonstruktsiia kar'ernogo khoziaistva dlia stroitel'stva Stalingradskoi GES. Moskva, Gidroproekt, 1959. (MIRA 13:6)
(Stalingrad Hydroelectric Power Station)
(Quarries and quarrying) (Sand and gravel plants)

GOR'KOV, A.V., inzh.; CHLEK, Yu.I., inzh.

Automation of stone-crushing plants. Mekh.stroi. 16 no.11: 10-14 N '59. (MIRA 13:5)
(Crushing machinery) (Automation)

KOPIT, B.S.; MIKHAYLOV, A.V.; CHLENOV, A.F.; IDOV, P.I.; YUKHNOV, I.I.; TSARSKIY, S.V.; BARAUSOV, V.A.; PETROV, A.I.; LIPSHITS, L.Z.; ABATUROV, K.I.; SOKOL'SKAYA, Zh.M.; MEZHEVICH, V.N.; DAVYDOV, L.I.; VLASIKHIN, A.V.; CHEKALOV, L.N.; STARICHKOV, T.I.; KHUBLAROV, A.Ye., red.; PITERMAN, Ye.L., red.izd-va; PARAKHINA, N.L., tekhn.red.

[Our beacons; collection of articles on progressive workers in lumber, paper, woodworking industries and forestry] Nashi maiaki; sbornik ocherkov o peredovykh liudiakh lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshlennosti i lesnogo khoziaistva. Moskva, Goslesbumizdat, 1961. 125 p. (MIRA 15:2)
(Forests and forestry) (Wood-using industries)

CHLENOV, A. G.

PROCESSES AND PROPERTIES INDEX

21

Testing the Wellman gas producer installed in the Konstantinovskii zinc smelter. A. G. Chlenov. *Izvestiya Teplotekh. Inst.* 1932, 310-30. A. A. Boehtlingk

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CHLENOV, A. G.

20677. Chlenov, A.G. Metod osnovnogo Rascheta pri szhiganii uglevodorodnykh gazov. -- V ogl: G.A. [illegible] Chlenov. Energet. byulleten', 1949, No. 3, s. 8-11

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

CHLENOV, A.G.

Conference of Gas Producer Station Workers at plants of the Main Administration of Construction Ceramics. Stek.i ker. 13 no.1: 30 Ja '56. (MLRA 9:3)
(Shchekino--Gas producers)

CHLENOV, A.G.

USSR/Chemical Technology - Chemical Products and Their Application. Treatment of Solid Mineral Fuels I-7

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2484

Author : Chlenov, A.G.
Inst :
Title : Some Data on the Operation of Gas Generators Using Anthracite.

Orig Pub : Sb.: Gazifik. tverdogo topliva. M., Gostoptekhizdat, 1957, 75-77

Abstract : Data are given on the operation of gas generator stations, which are part of the Glavstroykeramika system, that use anthracite.

Card 1/1

CHLENOV, A. G.; TOMAZOV, S. P.

Electric steam generator for high pressures for laboratory apparatus. Zav. lab. 28 no.12:1531 '62.
(MIRA 16:1)

1. Kalininskiy torfyanoy institut.

(Testing laboratories—Equipment and supplies)

CHLENOV, A.G., inzh.

Conditions for complete combustion of fuel oil. Prom.energ. 18 no.4:21-27 Ap '63. (MIRA 16:4)
(Petroleum as fuel) (Combustion)

CHLENOV, A.G., inzh.

Burning of liquid fuel in the U.S.A. Prom.energ. 20 no.2:36-42 '65. (MIRA 18:4)

AGAFOV, D.S.; ARTIBILOV, B.M.; VIKTOROV, A.M.; GINTS, A.N.; GOR'KOV, A.V.; GUSYATINSKIY, M.A.; KARPOV, A.S.; KOLOT, I.I.; KOMAREVSKIY, V.T.; KORYAGIN, A.I.; KRIVSKIY, M.N.; KRAYNOV, A.G.; NESTEROVA, I.N.; OBES, I.S., kandidat tekhnicheskikh nauk; SOSNOVIKOV, K.S.; SUKHOTSKIY, S.F.; CHLENOV, G.O.; YUSOV, S.K.; ZHUK, S.Ya., akademik, glavnyy redaktor; KOSTROV, I.N., redaktor; BARONENKOV, A.V., professor, doktor tekhnicheskikh nauk, redaktor; KIRZHNER, D.M., professor, doktor tekhnicheskikh nauk, redaktor; SHESHKO, Ye.F., professor, doktor tekhnicheskikh nauk, redaktor; AVERIN, N.D., inzhener, redaktor [deceased]; GOR'KOV, A.V., inzhener, redaktor; KOMAREVSKIY, V.T., inzhener, redaktor; ROGOVSKIY, L.V., inzhener, redaktor; SHAPOVALOV, T.I., inzhener, redaktor; RUSSO, G.A., kandidat tekhnicheskikh nauk, redaktor; FILIMONOV, N.A., inzhener, redaktor; VOLKOV, L.N., inzhener, redaktor; GRISHIN, M.M., professor, doktor tekhnicheskikh nauk, redaktor; ZHURIN, V.D., professor, doktor tekhnicheskikh nauk, redaktor; LIKHACHEV, V.P., inzhener, redaktor; MEDVEDEV, V.M., kandidat tekhnicheskikh nauk, redaktor; MIKHAYLOV, A.V., kandidat tekhnicheskikh nauk, redaktor; PETROV, G.D., inzhener, redaktor; RAZIN, N.V., redaktor; SOBOLEV, V.P., inzhener, redaktor; FERINGER, B.P., inzhener, redaktor; TSYPLAKOV, V.D., inzhener, redaktor; ISAYEV, N.V., redaktor; TISTROVA, O.N., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[The Volga-Don Canal; technical report on the construction of the Volga-Don Canal, the TSimlyanskaya hydro development and irrigation works (1949-1952); in five volumes] Volgo-Don; tekhnicheskii otchet

(continued on next card)

AGAPOV, D.S. --- (continued) Card 2.
o stroitel'stve Volgo-Donskogo sudokhodnogo kanala imeni V.I.Lenina. TSimlianskogo gidrouzla i orositel'nykh sooruzhenii (1949-1952) v piati tomakh. Glav.red. S.IA. Zhuk. Moskva, Gos.energ. izd-vo. Vol.5. [Quarry management] Kar'ernoe khoziaistvo. Red.toma I.N. Kostrov. 1956. 172 p. (MLRA 10:4)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Deystvitel'nyy cheln Akademii stroitel'stva, i arkhitektury SSSR (for Razin) (Quarries and quarrying)

CHLENOV, G.O.

Conference of managers and outstanding workers. Avt.dor. 25 no.4:32 and 3 of cover Ap '62. (MIRA 15:5)
(Roads)

20323

5.3700 2209, 1273, 1282

S/020/61/137/001/015/021
B103/B201

AUTHORS: U Guan-li, Sokolova, Ye. B., Chlenov, I. Ye., and Petrov, A. D., Corresponding Member AS USSR

TITLE: Synthesis of monovalent saturated alcohols and tertiary acetylene alcohols of the ferrocene series

PERIODICAL: Doklady Akademii nauk SSSR, v. 137, no. 1, 1961, 111-112

TEXT: The authors have for the first time synthesized the following alcohols of the ferrocene series: A) Monovalent saturated (Table 1: 1-4), and B) Tertiary acetylene alcohols (5-7). ad A): 1 - α-hydroxy isopropyl ferrocene, 2 - α-hydroxy-α-phenyl ethyl ferrocene, 3 - α-hydroxy-α-phenyl propyl ferrocene, 4 - α-hydroxy-α-phenyl amyl ferrocene. ad B): 5 - 3-methyl-3-ferrocenyl-3-hydroxy propyne-1, 6 - 3-methyl-3-ferrocenyl-3-hydroxy propyne-1, and 7 - 3-phenyl-3-ferrocenyl-3-hydroxy propyne-1. Alcohols A) were synthesized from acetyl ferrocene and benzoyl ferrocene by condensation with Grignard reagents (the latter prepared from saturated halogen alkyls) (see scheme no. 1). Conditions of synthesis are described in Ref. 1 (Riemschneider, D. Helm, Ber. 89,

Card 1/5

1956, 155). The reagents were stirred in benzene solution for 1 hr at 60°C, the reaction mixture was decomposed by saturated NH_4Cl solution, and the reaction product was recrystallized from diluted ethanol after purification on active carbon. The yield amounted to 58-72%. Alcohols B) resulted from acetylenyl magnesium bromide (prepared according to E. R. H. Jones and coworkers, J. Chem. Soc. 1956, 4765, Ref. 3) after scheme no. 2. As for the latter compound, acetyl ferrocene was dissolved in THF [Abstracter's note: probably tetrahydrofuran] at room temperature, added, stirred for 12 hr, decomposed like sub A), extracted with ether, and the extract was dried with Na_2SO_4. The residue from the distillation of the solvent (dark-red liquid) was dissolved in hexane, boiled with active carbon, and the crystal precipitate was purified by recrystallization from diluted alcohol. In addition, the authors synthesized sodium acetylenide (according to H. Normant, B. Angelo, Bull. Soc. Chim. v. 2, 1960, 354, Ref. 4) at -15°C, and used it for condensation with acetyl and benzoyl ferrocene. Acetyl ferrocene dissolved in a THF solution was added to sodium acetylenide at -10°C. After the same treatment as mentioned above, the reaction product was submitted to chromatographic

analysis by means of Al_2O_3. The authors succeeded in proving that alcohol no. 6 can be prepared in two ways (over C_2HMgBr and over C_2HNa), whereas no. 7 is formed over C_2HMgBr only. Conversely, they were not able to obtain alcohols B by Favorskiy's reaction. Finally, the fact is stressed that Iotsich's reagent (disubstituted organometallic acetylene reagent) does not react with either acetyl or benzoyl ferrocene. A paper by A. N. Nesmeyanov and coworkers is mentioned. There are 1 table and 4 references: 1 Soviet-bloc and 3 non-Soviet-bloc.

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva
(Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED: December 2, 1960

Synthesis of monovalent...

S/020/61/137/001/015/021
B103/B201

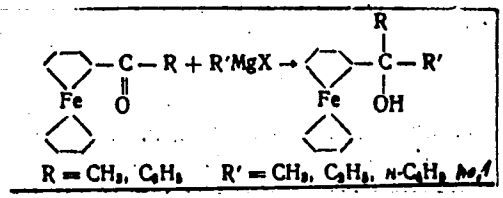
Соединение	Выход, %	Т. пл., °С	Найдено, %			Брутто-формула	Вычислено, %		
			C	H	Fe		C	H	Fe
1 α-Оксинзопропилферроцен	58	56—58	64,01 64,10	6,39 6,40	22,20	$C_{13}H_{16}OFe$	63,97	6,56	22,90
2 α-Окси-α-фенилэтилферроцен	32	110—111	70,62 70,68	6,59 6,47	18,70	$C_{18}H_{18}OFe$	70,59	5,88	18,26
3 α-Окси-α-фенилпропилферроцен	60	87—88	71,45 71,29	6,91 6,85	17,10	$C_{19}H_{20}OFe$	71,28	6,25	17,46
4 α-Окси-α-фениламилферроцен	72	65—66	72,52 72,40	6,70 6,75	16,68	$C_{21}H_{24}OFe$	72,41	6,91	16,10
5 3-Метил-3-ферроценил-3-оксипропин-1 *	5	—	66,25 66,05	6,58 6,68	—	$C_{14}H_{14}OFe$	66,14	5,51	22,04
6 3-Метил-3-ферроценил-3-оксипропин-1 **	5	112—114	65,38 65,16	5,77 5,56	22,85	$C_{14}H_{14}OFe$	66,14	5,51	22,04
7 3-Фенил-3-ферроценил-3-оксипропин-1 *	16	89—90	72,02 71,92	5,33 5,36	17,33	$C_{19}H_{16}OFe$	72,19	5,10	17,67
	8	9	10			11	12		

Legend to Table 1: 1 - 7, see the text, 8) yield %, 9) melting point °C, 10) as found, %, 11) empirical formula, 12) as calculated, %.

Card 4/5

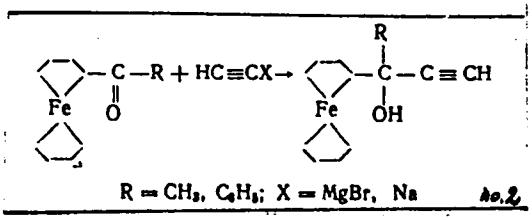
Synthesis of monovalent...

S/020/61/137/001/015/021
B103/B201



No. 1

Scheme no. 1



No. 2

Scheme no. 2

Card 5/5

ACCESSION NR: AP4025017 S/0062/64/000/003/0583/0584

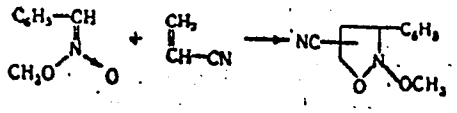
AUTHORS: Tartakovskiy, V.A.; Chlenov, I.Ye.; Smagin, S.S.; Novikov, S.S.

TITLE: Nitrocompounds obtained by 1,3 dipolar addition reaction

SOURCE: AN SSSR. Izv. Seriya khimicheskaya, no. 3, 1964, 583-584

TOPIC TAGS: nitrocompound, 1 3 dipolar addition, addition reaction, phenylnitromethane, acrylonitrile, diazomethane, trinitromethane, nitroisoazolidine series, trivalent nitrogen, covalent bond, dinitrocompound

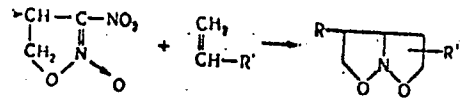
ABSTRACT: This addition reaction between the aciform and unsaturated nitrocompounds, such as between the O-methyl ether of phenylnitromethane and acrylonitrile, may proceed as follows:



Card 1/3

ACCESSION NR: AP4025017

yielding N-methoxy-3-phenylnitriloisoxazolidine. Such end products, which may be considered cyclic ethers of aciform dinitrocompounds will react further with formation of heterocyclic compounds of a new class, the isoxazolidine derivatives.



The O-methyl ether of trinitromethane (prepared from diazonethane and trinitromethane) can also enter into such 1,3 addition reaction. These compounds of the isoazolidine series are the first examples of substances containing a trivalent nitrogen atom, covalently linked to 2 oxygen atoms. Orig. art. has: 2 formulas.

ASSOCIATION: Institut organicheskoy khimii im. N.D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)

Card 2/3

ACCESSION NR: AP4025017

SUBMITTED: 11Dec63 DATE ACQ: 17Apr64 ENCL: 00

SUB CODE: CH NR REF SOV: 000 OTHER: 000

Card 3/3

L 1318-65 EWT(m)/EPF(c)/EPR/EWP(j)/T/EWA(c) Pc-4/Pr-4/Ps-4
BW/WW/JW/JW/RM

ACCESSION NR: AP5009225 S/0020/65/161/001/0136/0139

AUTHORS: Tartakovskiy, V. A.; Chlenov, I. Ye.; Lagodzinskaya, G. V.; Novikov, S. S.

TITLE: Ortho-ethers of trinitromethane in the reaction of 1,3-dipolar cyclic compounds

SOURCE: AN SSSR. Doklady, v. 161, no. 1, 1965, 136-139

TOPIC TAGS: ether, cyclic compound, IR spectrum, nuclear magnetic resonance

ABSTRACT: The reaction of 1,3-dipolar cyclic compounds were examined as a means to shed light on the possible existence of ortho-ethers of trinitromethane. To synthesize ortho-methyl ether of trinitromethane, the method of ortho-methylation of mononitro compounds of diazomethane (as proposed by Arndt and Rose) was used. Benzene was used as the solvent. Another approach was alkylation of the potassium salt by trialkyloxonium borofluorate in methylene chloride. Structure of the resulting compounds of both methods was evaluated by elemental analysis, determination of molecular weight, and study of IR and nuclear magnetic resonance spectra. The results show that the desired compound was obtained by both methods. The

Card 1/2

L 53818-65
ACCESSION NR: AP5009225

authors further studied the reaction of the ortho-methyl ether of trinitromethane with unsaturated compounds, and they found that this ether is very active in the reaction of 1,3-dipolar cyclic compounds. Olefins with or without activated double bonds, vinyl ether, cyclanes, and functional olefins may be used in the reaction, but olefins with free amino group are unsatisfactory. A table of reactions, products, compositions, and properties is included. Orig. art. has: 1 figure, 1 table, and 5 formulas.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry, Academy of Sciences, SSSR)

SUBMITTED: 24Aug64 ENCL: 00 SUB CODE: OC, NP

NO REF SOV: 002 OTHER: 006

Card 2/2

TARTAKOVSKIY, V.A.; SMAGIN, S.S.; CHLENOV, I.Ye.; NOVIKOV, S.S.

Methyl ester of phenylnitromethane in the reaction of 1,3-dipole cycloaddition. Izv. AN SSSR. Ser. khim. no.3:552-554 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

[illegible]; SHISHCHENKO, A.A.; [illegible], [illegible]; NO[illegible], S.S.

N-oxides of 3-nitroisoxazolines in 1,3-dipolar cycloaddition reaction. Dokl. AN SSSR 164 no.5:1082-1084 O '65. (MIRA 18:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. Submitted March 22, 1965.

L 1665-66 EWT(m)/EPF(c)/EWP(j)/T/EWA(c) RPL WW/JW/WE/RM

ACCESSION NR: AP5022937 UR/0062/65/000/008/1491/1494
543.422+547.232

AUTHOR: Ivanov, A. I.; Chlenov, I. Ye.; Tartakovskiy, V. A.; Slovetskiy, V. I.; Novikov, S. S.

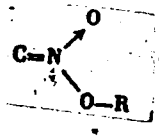
TITLE: Molecular absorption spectra of O-ethyl esters of dinitromethane and trinitromethane

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 8, 1965, 1491-1494

TOPIC TAGS: IR spectrum, UV spectrum

ABSTRACT: The IR and UV spectra of several O-ethyl esters of geminal di- and trinitroderivatives of methane were taken in order to examine the monochromaticity of their aci-forms and anions. The IR spectra were taken with the UR-10 spectrophotometer and the UV spectra were taken in a methyl chloride solution at 5°C with SF-4 spectrophotometer. The IR spectra of the title compounds confirmed their structure by showing absorption bands corresponding to

C = N bond, $N = C - NO_2$, $N = C(NO_2)_2$ and

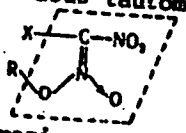


Card 1/2

L 1665-66

ACCESSION NR: AP5022937

The UV spectra indicate that in various tautomeric forms there is a constant structural fragment



with a maximum absorption in the region of 310-320 mμ (characteristic for aci-form) and a molar extinction coefficient of about 8000. The location of the maximum and absorption intensity are practically independent from X and R. This study revealed that the aci-forms and anions of gem-di-and trinitrocompounds are not monochromatic. (According to the literature data maximum absorption of anion derived from gem-di-and trinitroderivatives of methane occure in 345-380 m region). Orig. art. has: 2 tables, 3 formulas.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo akademii nauk SSSR (Institute of Organic Chemistry Academy of Sciences SSSR)

SUBMITTED: 02Dec64 ENCL: 00 SUB CODE: NP, OP

NO REF SOV: 005 OTHER: 003

Card 2/2

CHLENOV, L. G. [deceased]; LEBEDEVA, N. V.

Diagnosis and treatment of cerebral insults. Nauch. trudy Inst. nevr. AMN SSSR no.1:44-61 '60. (MIRA 15:7)

1. Institut nevrologii AMN SSSR.

(CEREBROVASCULAR DISEASE)

ACCESSION NR: AP3000132 S/0062/63/000/005/0946/0947

AUTHOR: Sokolov, S. D.; Ashkinadze, L. D.; Gilenov, M. A.; Kochetkov, N. K.

TITLE: Structure of 3-methyl-4-nitroisoxazolone-5

SOURCE: AN SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 5, 1963, 946-947

TOPIC TAGS: 3-methyl-4-nitroisoxazolone-5, isomeric methyl derivatives, 3-methyl-4-nitro-5-methoxyisoxazole, 2,3-dimethyl-4-nitroisoxazolone-5, infrared spectra, ultraviolet spectra

ABSTRACT: 3-Methyl-4-nitroisoxazolone-5 was considered to be a DELTA compound, therefore, capable of enolization. This was, however, disproved by the inability to prepare a chloro derivative. In order to establish the structural formula of 3-methyl-4-nitroisoxazolone-5, two isomeric methyl derivatives were synthesized. 3-Methyl-4-nitro-5methoxyisoxazole was prepared by the action of diazomethane on 3-methyl-4-nitroisoxazolone-5, while 2,3-dimethyl-4-nitroisoxazolone-5 was prepared by the action of methyl iodide on the silver salt of the original compound. Infrared and ultraviolet spectra for 3-methyl-4-nitroisoxazolone-5 and its derivatives are reported. It was established that 3-methyl-4-nitro-isoxazole-5, its silver salt and its N-methyl derivative are DELTA sup 3 compounds. "The authors express their gratitude to N. B. Kuplet*skaya for procuring ultra-violet spectra."

Card 1/2

ACCESSION NR: AP3000132

Orig. art. has: 1 figure, 4 formulas, and 1 table.

ASSOCIATION: Moskovskiy gosudarstvenny*y universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 27Dec62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: CH NO REF SOV: 003 OTHER: 003

Card 2/2

KOCHETKOV, N.K.; KUDRYASHOV, L.I.; CHLENOV, M.A.

Formation of deoxy sugars in the radiolysis of α-methylglycoside. Izv. AN SSSR Ser. khim. no.11:2115 N '64 (MIRA 18:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

KUDRYASHOV, L.I.; CHIENOV, M.A.; KOCHETKOV, N.K.

Monosaccharides. Report No.8: Some transformations of α-methyl-4,6-benzylidene-2-deoxy-2-C-carbethoxymethyl-D-altroside. Izv. AN SSSR Ser. khim. no.1:75-79 '65. (MIRA 18:2)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

KOCHETKOV, N.K.; KUDRYASHOV, L.I.; CHLENOV, M.A.

Radiation chemistry of carbohydrates. Part 3: Effect of γ-irradiation on aqueous solutions of α-methyl-D-glycoside. Zhur. ob. khim. 35 no.5:897-900 My '65. (MIRA 18:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

FISHOV, N.I.; CHLENOV, M.S.; GICHKO, T.A.

Leonid Petrovich Khersonskii. 30th anniversary of the medical, scientific and public activity. Vest.oto-rin 17 no.4:82 Jl-Ag '55. (MLRA 8:10)

(BIOGRAPHIES,
Khersonskii, Leonid P.)

EWT(m)/EWP(j)/EWA(h)/EWA(l) RM

ACC NR: AP6016708 SOURCE CODE: UR/0079/65/035/012/2246/22

AUTHOR: Kochetkov, N. K.; Kudryashov, L. I.; Chlenov, M. A.

ORG: Institute of Chemistry of Natural Compounds, AN SSSR (Institut khimii prirodn soyedineniy AN SSSR)

TITLE: Radiation chemistry of hydrocarbons. VI. Radiolysis of aqueous solutions of beta-methyl-, beta-phenyl- and beta-benzyl-D-glucosides

SOURCE: Zhurnal obshchey khimii, v. 35, no. 12, 1965, 2246-2251

TOPIC TAGS: radiation chemistry, aqueous solution, gamma irradiation, radioisotope, cobalt, hydrolysis, gas chromatography

ABSTRACT: A study was made of the effect of the configuration of the glycoside center and the nature of aglycone on the course of radiolysis. Preliminary data are presented on the radiation chemical rearrangements of beta-methyl-D-glycopyranoside, beta-phenyl-D-glycopyranoside, and beta-benzyl-D-glucopyranoside. Irradiation was conducted with gamma rays from a Co-60 source on sealed glass ampoules in an atmosphere free of oxygen and nitrogen. Solutions of chromatographically pure glycosides in a 10^{-2} M concentration were used. The range of the doses was $1.25\text{-}11 \cdot 10^{19}$ ev/ml. The dose strength was $4.3 \cdot 10^{16}$ ev/ml · sec. The decomposition yields of beta-methyl-, beta-phenyl-, and beta-

Card 1/2

UDC: 541.15 : 547.91

L 25600-65

ACC NR: AP6016708

benzyl-D-glucosides, and the yields of glucose formation during their radiolysis were determined.
A substantial effect of the aglycone structure on the stability of the glycoside bond to the action of gamma-radiation in beta-methyl-, beta-phenyl-, and beta-benzyl-D-glucosides was observed. A possible scheme is presented for the radiation chemical hydrolysis of these glucosides in which a solvated electron participates. During radiolysis of the glucosides, acids are formed as secondary products; consequently oxidative hydrolysis practically does not occur.

The authors are grateful to V. A. Vavera for conduoting the gas-liquid chromatography of the irradiated solutions. Orig. art. has: 5 figures. [JPRS]

SUB CODE: 07, 18 / SUBM DATE: 19Apr65 / ORIG REF: 005 / OTH REF: 006

Card 2/2 FV

ORLENOV, M. T.

Problem of organization in contemporary railroad maintenance Moskva, Gos. transp. Mel-dor. izd-vo, 1948. 81 p. (48-24764)

TF530.05

CHLENOV, M.T., kandidat tekhnicheskikh nauk.

Experience of the Atbasar section in controlling track creep. Trudy TSNII MPS no.49:40-46 '51. (MLRA 9:7)
(Railroads--Track)

CHLENOV, M.T., kandudat tekhnicheskikh nauk.

Experience in wintertime track maintenance using A.S.Udalov's method. Trudy TSNII MPS no.49:47-76 '51. (MLRA 9:7)
(Railroads--Maintenance and repair)

CHLENOV, Mikhail Timofeyevich, kandidat tekhnicheskikh nauk; SOROKIN, N.N., inzhener, redaktor; BOBROVA, Ye.N., tekhnicheskikh redaktor

[Trackwalker's manual] Rukovodstvo putevomu obkhodchiku. Izd. 2-oe, dop. Moskva, Gos. transp.zhel-dor. izd-vo, 1957. (MLRA 10:6)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya. (Railroads--Track)

Chlenov, Mikhail Timofeyevich

Rukovodstvo Putevomu obkhodchiku
/Directory for the railroad track inspector/ 1zd. 2. dop. Moskva, Transzheldorizdat, 1957.
193 p. illus., diagrs., tables.
At head of title: Russia. Ministerstvo Putey Soobshcheniya.
Bibliography: p. 191

CHLENOV, N.T., kand. tekhn. nauk.

Basic trends in organizing current track maintenance on foreign railroads. Put' i put. khoz. no.2:46-48 F '58. (MIRA 11:3)
(Railroads--Track)

CHLENOV, Mikhail Timofeyevich, kand.tekhn.nauk; SOROKIN, N.N., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Manual of the track patrolman] Rukovodstvo putevomu obkhodchiku. Izd.3., dop. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 210 p. (MIRA 12:12)

(Railroads--Track)

AL'BREKHT, Vladimir Georgiyevich, prof.; LIDERS, Georgiy Vladimirovich, dotsent; NIKIFOROV, Pavel Aleksandrovich, prof. [deceased]; CHLENOV, Mikhail Timofeyevich, kand.tekhn.nauk; CHERNYSHEV, Mikhail Andreyevich, kand.tekhn.nauk; FRISHMAN, M.A., prof., retsenzent; ANDREYCHENKO, A.V., inzh., retsenzent; BABKIN, A.R., inzh., retsenzent; BEZRUCHKO, V.S., inzh., retsenzent; ZHEREBIN, M.I., inzh., retsenzent; MEL'NIK, D.M., inzh., retsenzent; MURAV'YEV, I.V., inzh., retsenzent; NOVITSKIY, G.I., inzh., retsenzent; PASHININ, S.A., inzh., retsenzent; POTOTSKIY, G.I., inzh., retsenzent, red.; RAK, S.M., inzh., retsenzent; TYUTYUNNIK, F.R., inzh., retsenzent; ULYUYEV, D.I., inzh., retsenzent; SHEPELEV, V.N., inzh., retsenzent; BOEROVA, Ye.N., tekhn.red.

[Track work] Putevoe khoziaistvo. Pod red. M.A.Chernysheva. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 435 p. (MIRA 12:12)

1. Kafedra "Put' i putevoye khozyaystvo" Dnepropetrovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Frishman).
(Railroads--Track)

CHLENOV, M.T., kand.tekhn.nauk

Basic tasks in the over-all mechanization of track work. Vest. TSNII MPS 18 no.3:3-9 My '59. (MIRA 12:8)
(Railroads--Track)

GULENKO, Nikolay Nikolayevich; GORA, Viktor Yepifanovich; ALESHIN, V.A., kand. tekhn. nauk, retsenzent; CHLENOV, M.T., kand. tekhn. nauk, retsenzent; KHABAROV, V.P., inzh., retsenzent; ABRAGAM, S.R., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Track machinery and mechanisms] Putevye mashiny i mekhanizmy. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 319 p. (MIRA 14:8)
(Railroads--Equipment and supplies) (Railroads--Track)

SHABALIN, Georgiy Ivanovich, inzh. Prinimali uchastiye: VILAND, S.M., inzh.; SHNEYEROVA, L.S., inzh. CHLENOV, M.T., kand.tekhn. nauk, retsenzent; SERGEYEVA, A.I., inzh., red.; VOROTNIKOVA, L.F., tekhn.red.

[Railroad track inspection] Tekhnicheskie osmotry zheleznodorozhnogo puti. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1961. 139 p. (MIRA 14:12)

1. Upravleniye Oktyabr'skoy dorogi (for Viland, Shneyerova).
(Railroads--Track)

CHLENOV, M.T., kand.tekhn.nauk

Solving the problem of an over-all mechanization of track maintenance operations. Put' i put.khoz. 5 no.8:17-19 Ag '61. (MIRA 14:10)

1. Rukovoditel' otdeleniya organizatsii i mekhanizatsii putevykh rabot Vsesoyuznogo tsentral'nogo nauchno-issledovatel'skogo instituta.
(Railroads--Maintenance and repair)

BLOKHIN, Konstantin Agapovich; PASHININ, Sergey Afanas'yevich; CHLENOV, M.T., kand. tekhn. nauk, retsenzent; MALICHAYEV, V.N., inzh., retsenzent; BORISOV, V.M., inzh., retsenzent; MELENETS, V.V., inzh., retsenzent; SERGEYEVA, A.I., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Track overhauling operations]Kapital'nye putevye raboty. Moskva, Transzheldorizdat, 1962. 326 p. (MIRA 15:12)
(Railroads—Maintenance and repair)

CHLENOV, M.T., kand.tekhn. nauk; POTOTSKIY, G.I., inzh., red.; VERINA, G.P., tekhn. red.

[Manual for the track walker] Rukovodstvo putevomu obkhodchiku. Moskva, Transzheldorizdat, 1962. 159 p. (MIRA 16:7)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya. (Railroads--Track)

CHIBIZOV, Grigoriy Alekseyevich; CHLENOV, M.T., kand. tekhn. nauk, retsenzent; NENASHKINA, Z.I., inzh., retsenzent; MOROSHIN, P.V., dots., retsenzent; SERGEYEVA, A.I., inzh.red.; USENKO, N.A., tekhn.red.

[Mechanized methods of eliminating frost heave] Mekhanizirovannye sposoby likvidatsii puchin; opyt puteitsev Vostochno-Sibirskoi, Yuzhno-Ural'skoi i Zapadno-Sibirskoi dorog. Moskva, Transzheldorizdat, 1963. 55 p. (MIRA 16:3)
(Frozen ground) (Railroads--Construction)

AL'BREKHT, V.G., prof.; DUBITSKIY, M.N., kand. tekhn. nauk; ISAKOV, L.M., kand. tekhn. nauk, dots.; KONDAKOV, N.P., kand. tekhn.nauk, dots.; Prinimali uchastiye: SHUL'GA, V.Ya., kand. tekhn. nauk, dots.; ANGELEYKO, V.I., prof.; CHLENOV, M.T., kand. tekhn.nauk, retsenzent; TIKHOMIROV, V.I., inzh., retsenzent; POTOTSKIY, G.I., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Planning of the organization of track maintenance and repair work] Proektirovanie organizatsii putevykh rabot. [By] V.G. Al'brekht i dr. Moskva, Transzheldorizdat, 1963. 186 p. (MIRA 16:9)

(Railroads--Track)

CHLENOV, M.T., kand.tekhn.nauk

Mechanization of track work and economy in labor expenditure.
Zhel.dor.transp. 46 no.3:50-55 Mr '64. (MIRA 17:3)

CHLENOV, M.T., kand. tekhn. nauk

Prospects for the further mechanization of track work. Zhel. d...
(7 no.7:50-55 Jl '65. (...

UMOV, Pavel Alekseyevich. Prinimali uchastiye: VEDENEYEV, V.A., inzh.; CHLENOV, N.Ya., inzh.; SHALYT, G.M., nauchn. red.; MUPKINA, V.G., red.

[Maintenance of municipal electric power distribution networks] Obsluzhivanie gorodskikh elektricheskikh setei. Moskva, Vysshaia shkola, 1965. 234 p. (MIRA 18:2)

Chlenov, V. A.

CHLENOV, [redacted]

Automatic control of the Gatilin unit. Khleb. i kond. prom. 1 no.12: 7-11 D '57. (MIRA 11:1)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.
(Bakers and bakeries--Equipment and supplies)
(Automatic control)

ACCESSION NR: AP4013338 S/0020/64/154/003/0703/0706

AUTHORS: Chlenov, V.A.; Mikhaylov, N.V.

TITLE: A new principle for production of a "boiling layer"

SOURCE: AN SSSR. Doklady*, v. 154, no. 3, 1964, 703-706

TOPIC TAGS: boiling layer, vibroboiling, mechanical reaction acceleration, boundary reaction, vibration boiling

ABSTRACT: The physico-chemical reactions between substances develop at their boundary surfaces. Increased surface of contact enhances the reaction rate. The author suggested in 1960 a new method for creation of a "boiling layer" of solid particles, or drops of liquids, etc. This is achieved by mechanical vibrations of the support on which the particles rest. In the present work, the critical parameters of the vibrations are experimentally determined which are necessary for creating the "vibroboiling state". The amplitudes of vibrations are observed with a microscope, and

Card 1/2

ACCESSION NR: AP4013338

recorded oscillographically. Orig. art. has: 4 figures.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute for Physical Chemistry, AN SSSR)

SUBMITTED: 10Jul63 DATE ACQ: 26Feb64 ENCL: 00

SUB CODE: CH NO REF SOV: 002 OTHER: 001

Card 2/2

CHLENOV, V.A.; MIKHAYLOV, N.V.

Vibrofluidized bed. Zhur. fiz. khim. 39 no.2:473-475 F '65.
(MIRA 18:4)

1. Institut fizicheskoy khimii AN SSSR.

CHLENOV, V.A.; MEKHAYLOV, N.V.

Drying sand by the conductive method in a vibratory fluidized bed.
Stroi. mat. 10 no.11:17-20 N '64. (MIRA 18:1)

CHLENOV, V.A.; MIKHAYLOV, N.V.

Vibratory fluidized bed and some of its properties. Khim. prom. 40 no.12:910-913 D '64. (MIRA 18:2)

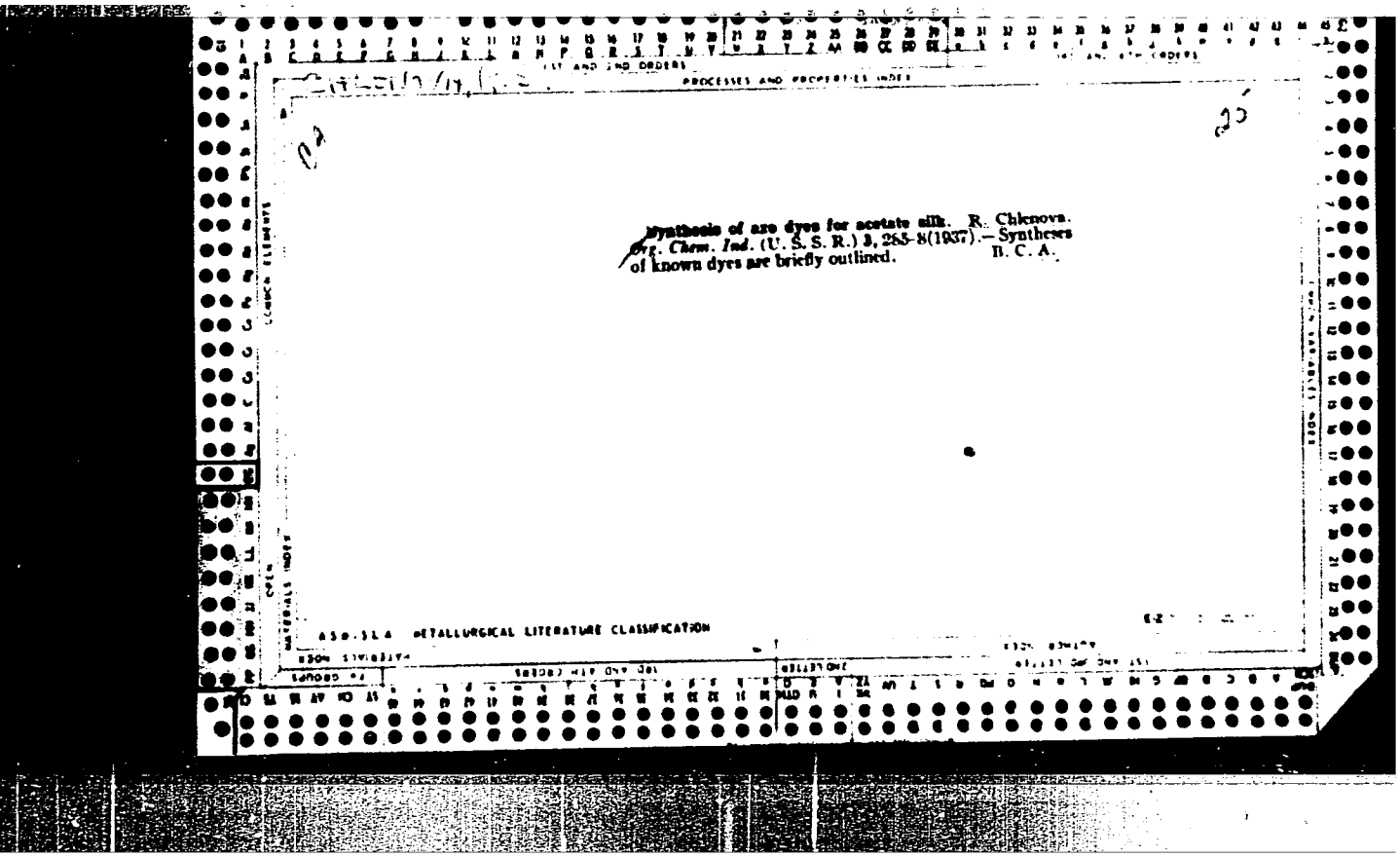
ISAYEV, O.V.; KUSTANOVA, T.A.; [illegible]; [illegible]

Catalytic oxidation of [illegible] in a vibratory fluidized bed. Khim.prom. 41 no.6:467-472 Je '65. (MIRA 18:8)

CHESHOVA, R.S.

Preparation of dyestuff Plutoform Black BL. N. S. CHESHNOVA. *Anilinokrasoch. Prom.* 2, No. 3, 34-6(1932). A detailed account is given of the synthetic and analytical procedures followed in the prepn. of Plutoform Blue and Plutoform Black BL. CHAS. BLANC

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Synthesis of azo dyes for acetate silk. R. Chkenova. *Org. Chem. Ind.* (U. S. S. R.) 3, 265-8(1937).—Syntheses of known dyes are briefly outlined. B. C. A.

CA CHEM 79, 7...

10

Some reactions of aromatic compounds of sulfur. V. O. Lukashevich and R. S. Chlenova. *Doklady Akad. Nauk S.S.S.R.* **73**, 711-14(1950). -Chloronitronaphthalenes were treated in MeOH in a N atm. with alc. Na_2S. With 1,4-$ClC_{10}H_6NO_2$ the reaction was completed in 8 hrs. at 20°, the 1,2-isomer required 4 hrs., and the 2,1-isomer required 12 hrs. at 40°. Acidification of the dild. solns. yielded yellowish mercaptans, purified by reppin. *4-Nitro-1-naphthyl mercaptan* (I), m. 77.9°; *2-nitro-1-naphthyl mercaptan* (II), m. 70.3°; *1-nitro-2-naphthyl mercaptan* (III), m. 98-100°. While these oxidized rapidly on exposure to air in EtOH solns., their mercaptides are comparatively stable. I let stand in EtOH for some time gave a ppt. of pure *bis(4-nitro-1-naphthyl) sulfide* (IV), m. 235.7°, and H_2S evolution occurred even without access of air. The mercaptan (1.64 g.) in 125 ml. MeOH with 0.32 g. NaOH (i.e., RSNa) gave after 14 days at room temp. under N a ppt. of the disulfide; the filtrate from this was either oxidized in alk. medium with ferricyanide, when the mercaptide still in soln. yielded the sulfide, or oxidized with H_2O_2 in alk. soln., with subsequent removal of the disulfide and pptn. of SO_4 by Ba. In all, 69.8% sulfide, 29.4% disulfide, and 72.8% Na_2S could be accounted for. Hence, the Na salt of I reacts in the absence of extraneous oxidants according to $2RSNa = R_2S + Na_2S$. The Na salt of II is more stable and in a similar expt. 96% original substance was recovered. The Na salt of I with RX of sufficient reactivity readily gave, in MeOH, *4-nitro-1-naphthyl 2,4-dinitrophenyl sulfide*, m. 193-3.5°, with 2,4-$(O_2N)_2C_6H_3Cl$, and the *2-nitrophenyl analog*, m. 156.7°, with *o*-$O_2NC_6H_4Cl$. With 2,1-$ClC_{10}H_6NO_2$ as the 2nd reactant, 16 hrs. at 60° gave much unreacted Cl compd. and 36% IV, obviously formed by the reaction illustrated above. An authentic specimen of *4-nitro-1-naphthyl p-nitrophenyl sulfide*, m. 147-8.5° (from ligroin), was obtained from 2.12 g. *p*-$O_2NC_6H_4SH$ and 2.9 g. 1,4-$ClC_{10}H_6NO_2$ in 180 ml. MeOH in the presence of the theoretical amt. of NaOH let stand overnight at room temp.; the product, m. 236-8°, given the above structure by Hodgson and Leigh (*C.A.* **32**, 7442), is IV. III and II with 2,4-$(O_2N)_2C_6H_3Cl$ in MeOH yielded 100% *1-nitro-2-naphthyl*, m. 234.5-35.0°, and *2-nitro-1-naphthyl 2,4-dinitrophenyl sulfides*, m. 199-201°. The Na salts of I-III were prepd. from Na_2S and the corresponding $O_2NC_{10}H_6Cl$ (for method cf. *C.A.* **44**, 1921g); the most stable was that of III; that of I was less stable, while that of II was destroyed completely in 1 hr. at room temp. after mixing 2,1-$O_2NC_{10}H_6Cl$ in MeOH with Na_2S_3, as 49% of the total S pptd. from soln. The reason for Hoogeveen's (*C.A.* **25**, 2713) isolation of $(2,1\text{-}O_2NC_{10}H_6)_2S$ instead of R_2S_3 is thus explained. Heating *p*-ClC_6H_4OH or 1,2,4-$C_6H_3Cl_3$ with S_2Cl_2 gave extremely smooth synthesis of *bis(5-chloro-2-hydroxyphenyl)* and *bis-(2,4,5-trichlorophenyl) trisulfide*, resp. Heating diaryl sulfides with S failed to yield the corresponding trisulfides when C_6H_6 was used as solvent. However, addn. of 12 ml. MeOH to 0.5 g. $(2,4,5\text{-}Cl_3C_6H_2)_2S_2$ in 10 ml. C_6H_6 and equimolar amt. of S in 2.5 ml. C_6H_6 immediately gave a ppt. of pure *diaryl trisulfide*, m. 161.2°; similarly made were the *bis(2,5-dichlorophenyl)*, m. 138-9°, and the *bis(2,5-dibromophenyl) trisulfide*, m. 164-5°. Mercaptans react similarly with S_2 yielding trisulfides. Polyhalogenyl sulfides react with Hg at room temp.; in this manner were prepd. *Hg 2,5-dichlorophenylmercaptide*, m. 251-2°, and the *2,4,5-tri-Cl*, m. 280.2°, and *penta-Cl analog*, m. about 260°.

G. M. Kosolapoff

CHLENOVA, R. S.

"Certain Reactions of Sulfides of the Aromatic Series." Sub 9 Jan 52, Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No 480, 9 May 55

AUTHORS: Chlenova, R. S., Gel'fer, Ts.M., Petrov, S. F.

SOV/79-28-11-17/55

TITLE: On Some Derivatives of the "Phenoxazone" Series (O nekotorykh proizvodnykh ryada fenoksazona)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 11, pp 2977 - 2981 (USSR)

ABSTRACT: Chloro aniline reacts with the substituted o-amino-phenolene to the derivatives of "phenoxazone" (I). This reaction (1) takes place easily in those cases where there are electrophilic substituents in the molecule of aminophenol in the position 4 or 5, e.g. a nitro group or halogen (Scheme 1). The syntheses of the nitro, amino, and acylamino "phenoxazones" have been little dealt with in publications. The syntheses of some "phenoxazone" derivatives as carried out by the authors are described in this paper. The technical compound (II) obtained according to a German patent (620346) was synthesized by the authors in a slightly different way by the condensation of 5-nitro-2-amino-phenol with chloro aniline in aqueous suspension using

Card 1/3

On Some Derivatives of the "Phenoxazone" Series SOV/79-28-11-11/59

surface activating substances. This modification of the above mentioned patent can be useful for the technical production of the product (II). This "oxazone" has a mobile chlorine atom in the position 3 so that on the action of two molecules 5-nitro-2-aminophenol on 1 molecule chloro aniline in alcohol solution the oxazine (III) is easily formed (85%). The synthesis of the compound (IV) by the reduction meets with considerable difficulties and takes place by way of intermediate steps, with the compounds formed being capable of separation, among them the oxazines (V) and (VI), corresponding to the conditions of the reduction. The data obtained show that the formation of the compound (IV) from the nitro compound takes place under the action of sodium hydrosulfite on the introduction of air according to the scheme (2). The absorption spectra of the obtained compounds were taken. Their curves may be seen on figure 2. There are 2 figures.

Card 2/3

On Some Derivatives of the "Phenoxazone" Series SOV/79-28-11-17/55

ASSOCIATION: Nauchno-issledovatel'skiy institut organicheskikh polu-produktov i krasiteley imeni K.Ye.Voroshilova (Scientific Research Institute of Organic Semiproducts and Dyes imeni K.Ye. Voroshilov)

SUBMITTED: September 2o, 1957

Card 3/3

LUKASHEVICH, V.O.; SERGEYEVA, V.I.; CHIZHOVA, N.S.

Investigation in the field of sulfides of the aromatic series. Org. poluprod. i kras. no.1:160-167 '59. (MIRA 14:11)
(Sulfides)
(Aromatic compounds)

AUTHORS: Chlenova, R. S., Gel'fer, Ts. M., Bugova, L. R.

TITLE: Brief Communications. Concerning the Characteristics of Sulfur Dyes

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 2, pp 475-478 (USSR)

ABSTRACT: The characteristic curves of absorption for each sulfur dye were obtained. (See Figs. 1, 2, 3, and 4, where A is optical density and B is wave-length (in m μ). Dimethylformamide was used as solvent. There are 6 figures.

ASSOCIATION: Voroshilov Scientific-Research Institute of Organic Intermediates and Dyestuffs (Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley imeni K. E. Voroshilova)

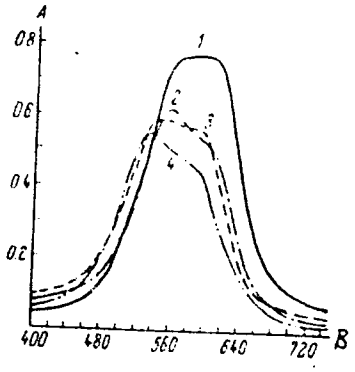
SUBMITTED: May 11, 1959

Card 1/5

Brief Communications. Concerning the Characteristics of Sulfur Dyes

77665
SOV/80-33-2-40/52

Fig. 1. Absorption curves: (1) sulfur blue 3; (2) sulfur blue K; (3) sulfur blue 5K; (4) sulfur blue obtained from aminotrichloro-phenoxazone.

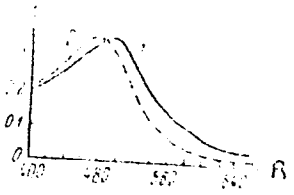


Card 2/5

Brief Communications. Concerning the Characteristics of Sulfur Dyes

SOV/80-

Fig. 2. Absorption curves: (1) sulfur violet 4K; (2) sulfur bordeaux



Card 3/5

Brief Communications. Concerning the Characteristics of Sulfur Dyes

77665
SOV/80-33-2-40/52

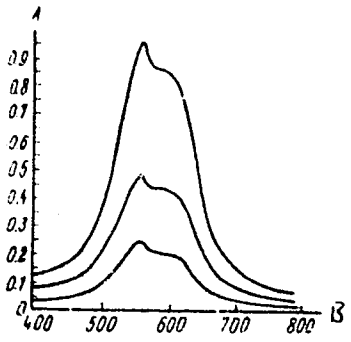
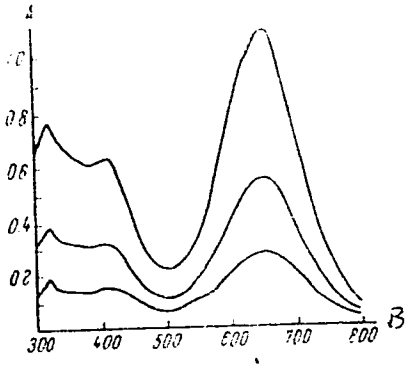


Fig. 3. The absorption curves for sulfur blue K for several dilutions: Amount of dye (in g/l): upper curve = 0.04; middle = 0.02; lower = = 0.01.

Card 4/5

Fig. 4. The absorption curves for sulfur brilliant G for several dilutions: Amount of dye (in g/l): upper = 0.1; middle = 0.05; lower = 0.025.



LEVIN, E.S.; CHLENOVA, R.S.; FODIMAN, Z.I.

Polarographic analysis of indotoluidine. Org. poluprod. i kras. no.2:201-208 '61. (MIRA 14:11)

(Indoaniline) (Polarography)

CHEKALIN, M.A.; CHLENOVA, R.S.; KHAYKINA, K.M.

Structure of the reaction groups of active dyes. Khim. prom. no.10:744-747 O '63. (MIRA 17:6)

CHLEVOBSKY, Teofil, prof., dr.

Commemorating the 60th birthday of professor Rudolf Jirkovsky.
Sbornik skol ban 8 no.3:245-248 '62.

3496 CHLIPAKHIN, V. M.

Rybokonservnoye oborud ovaniye i ego yeksplusatatsiya. M., pishch-epromizdat, 1954. 410s. s. ill; 2 l. chert. 23 sm. 3000 ekz. 14 r. 60 k. V per. Bibli gr: s 404-405 (23 nazv.) (54-57357) p 664.954. 0025+(016.3)