

BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

Compiled by A. G. DuMez, Reporter on the Progress of Pharmacy.

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APPARATUS AND MANIPULATIONS.

- Clark, A. H.
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- Brandrup, W.
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- Anon
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Pharm. Zentralh., 68 (1927), 201

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- Haag, H. B., and Bond, W. R.
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- Munns, G. F., and Aldrich, C. A.
Ephedrine in bronchial asthma in children
J. A. M. A., 88 (1928), 1233
- Ockerblad, Nelse F.
Ephedrine in spinal anesthesia
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- Raymond-Hamet
Contribution to the pharmacodynamic study of *Anemone pulsatilla*, L.
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- Swanson, Edward E., and Hargreaves, Chester C.
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- Takase, T., and Ohashi, H.
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- Dieterle, H.
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- Hoyt, L. F., and Ellenberger, E. P.
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- Kimura, K.
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- Davy, Edward D., and Chu, H. P.
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- Hairs, Eng.
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- Kondo, H., and Sanada, T.
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- Magnin, Jorge
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- Nielsen, C., McCausland, H., and Spruth, H. C.
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- Pace, Edgardo
Microcrystallographic chemical study of double salts of cocaine with rare metals
Arch. farmacol. sper., 42 (1926), 35; through *Chem. Abstr.*, 21 (1927) 1327
- Schousen
Determination of alkaloids in extracts and tinctures of solanaceous drugs
Farm. Tidende (1923), 835; through *Pharm. Zentralh.*, 68 (1927), 183
- Shinoda, J.
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- Tsiang, Kuen, and Brown, E. D.
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- von Mikó, Julius
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- Wattiez, N.
Iodometry applied to the determination of certain alkaloids
Bull. acad. roy. méd. Belg., 6 (1926), 748; through *Chem. Abstr.*, 21 (1927), 1165

ESSENTIAL OILS.

- Kopp, Elmer
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- Schoorl, N.
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- Van den Driessen Mareeuw, W. H. P.
Simple and rapid reaction for distinguishing between oil of anise and oil of star anise
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INORGANIC CHEMICALS.

- Brown, Herman
Simple method for the preparation of aurothiosulphate
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- Manicke, P., and Lauth, H.
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Pharm. Zentralh., 68 (1927), 162
- Scott, Alfred W.
Preparation of sodium hyponitrite
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- Van Eck, P. N.
Günzburg's reagent for free hydrochloric acid
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- Astruc and Mousseron
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A PHARMACEUTICAL STUDY OF SYRUP OF FERROUS IODIDE (1840-1927).

BY CATY J. BRAFORD AND H. A. LANGENHAN.

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NO. II. FORMULAS AND PROCESSES BOTH ORIGINAL AND IMPROVED.

When Durand,¹ of Philadelphia, first prepared Dr. Jackson's Solution of Iodide of Iron (1833), he used a process which M. M. Baup and Caillot had outlined in a paper on the "Preparation of the Iodides." His formula varied slightly from theirs, however, in that the proportion of the iron filings was changed to avoid, as he said, the production of a "periodide" of iron. He also increased the amount of water used in order to have a solution that was of lesser strength. His revised formula was as follows:

Iodine.....	10	drachms
Iron filings, perfectly pure and unoxidized.....	5	drachms
Distilled water.....	12.5	ounces

The iodine was mixed with one-half of the water and the iron filings were added in small portions. The heat evolved vaporized a small amount of the iodine. When the entire amount of iron had been added, and first an orange and finally a dark red color had been produced, the solution was slowly heated (with continued stirring). An "ioduretted hydriodate of iron" was first produced, which was converted to the "simple hydriodate" by the action of the heat. This reaction caused the solution to become colorless; it was then filtered and the residue and the filter were washed with the remaining half of the water. This process produced twelve and one-half fluidounces of a preparation which contained one drachm of the iodide of iron in each fluidounce.

The following year (1834), Dr. A. T. Thomson² of the London University recommended a method in which one part of iron wire was rubbed with three or four parts of iodine. Fifteen parts of water were gradually added and the entire mixture was introduced into a Florence flask with an additional portion of iron wire and of

¹ Durand, *Am. J. Pharm.*, 4, 287 (1833).

² Thomson, see Duglison, "New Rem.," 5th ed., 297 (1846).