

A process for preparing a medicinal compound containing mercury compounds and other substances / [Julius Rother].

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COMPLETE SPECIFICATION.

A Process for Preparing a Medicinal Compound containing Mercury Compounds and other Substances

I, JULIUS ROTHER, of Katscher, Upper Silesia, in the Empire of Germany, Doctor of Medicine, do hereby declare the nature of my invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 The present invention consists of a process for producing a powder from alsol, sublimate soziodol-quick-silver and veratrine. In carrying out the process 9 parts by weight of alsol (aluminium acetico tartaricum) are first dissolved in distilled water with an addition of alcohol, only just sufficient solution being employed as is necessary to effect solution. To this mixture is added one half part by
10 weight of chloride of mercury called sublimate (hydrargyrum bichloridum), with the addition of a little common salt also dissolved in diluted alcohol and then one half part by weight of mercury soziodol (hydrargyrum soziodolicum). The latter is advantageously mixed in a dry state with the common salt (about half the amount) thoroughly shaken and then a sufficient quantity of from 30 to 40°
15 alcohol poured on to the mixture and the whole thoroughly dissolved by being warmed. For each gramme of these 10 parts by weight, 0,014 grammes of veratrine (veratrinum Merck) is added. The veratrine is also dissolved in a corresponding quantity of alcohol and then added to the mixture.

Any dullness or precipitation which takes place as the whole solution cools
20 down, will disappear immediately it is warmed again.

The whole mixture is now vaporized down to a thick fluid consistency in a water bath, which should not be too strongly heated, it is then dried in a moderate heat and suitably ground or otherwise reduced to a powder. The powder is of a light yellowish color and somewhat hygroscopic.

25 The powder thus obtained forms, if rubbed or ground down together with lactose in the proportion of 1:500 an excellent preventative and healing medium for diseases of the nose, mouth and throat, in that it may be applied to the diseased tissues direct by means of a blower.

30 Alsol (aluminium acetico-tartaricum solubile) is a non-poisonous astringent and antiseptic and serves as a substitute for the solution of acetate of alumina (liquor aluminis acetici). Alsol dissolves slowly in water.

Mercury soziodol (hydrargyrum soziodolicum) is employed similarly to corrosive sublimate but only contains about 33% of mercury. It is insoluble in water and soluble in dilute mercury.

25 Veratrinum is an amorphous alkaloid obtained from the seed of *Sabadilla officinarum* melanthaceae and put on the market by the firm of Merck at Darmstadt. It is insoluble in water, soluble in alcohol.

By sublimate, sublimate of mercury (bichloride of mercury) is intended. It is not easily soluble in water but easily soluble in alcohol.

40 The new preparation dissolves in water as easily and rapidly as common salt. Of its constituents, only the weight of those is stated the curative effect of which comes into question. By themselves, bichloride of mercury, mercury soziodol and veratrinum are highly poisonous. It was therefore necessary to discover a form in which their curative effect would be as powerful and certain as their
45 complete innocuousness, so that poisonous effects would be impossible. The

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Process for Preparing a Medicinal Compound containing Mercury Compounds.

proportion by weight is also slightly altered by the evaporation of iodine and other unavoidable losses in vaporizing but this has no effect on the great usefulness of the preparation.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is: 5

A process for producing a powder from alsol, sublimate, mercury sozodol, and veratrine, which consists in adding to a weak solution of about nine parts by weight of alsol in alcohol, under the addition of common salt, an alcoholic solution of about one half part by weight of sublimate and one half part by weight 10 of sozodol-quicksilver, then adding, for each gramme of this mixture of sublimate, mercury sozodol and alsol, an alcoholic solution of about 0.014 grammes of veratrine Merck, vaporizing the whole in a water bath to a thick fluid consistency, drying in moderate heat, grinding to a powder and mixing with lactose 15 in the manner and for the purpose substantially as described.

Dated this 23rd. day of October 1901.

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Agents to Applicant.





