

IODATE OF STRYCHNIA.

Saturate a concentrated solution of powdered strychnia with iodic acid, on which the mixture swells, absorbs the water, and becomes thick: treat the mass with boiling alcohol, filter, and leave it to evaporate: the result is a beautiful crystallization of iodate of strychnia. It may also be got by the double decomposition of a salt of strychnia, and some soluble iodate—muriate of strychnia and iodate of soda for instance.

Iodate of strychnia is white, crystallized in beautiful prismatic needles, is slightly soluble in cold water, very soluble in hot water and in alcohol; thrown on hot charcoal it crackles and gives out iodine. Heated in a tube, it is decomposed with a slight detonation, and deposits carbonic acid and iodine.

Action of Iodate of Strychnia on Animals.

A single grain is sufficient to kill a large dog in a very short time with tetanic symptoms.

Cases for Medicinal employment.

I have given it with unexpected success in many cases of long-standing paraplegia which were deemed incurable, having resisted all other therapeutic means.

I have only given it in pills in the dose of one-eighth of a grain each. I give one of these night and morning, and gradually increase the dose until eight are taken in twenty-four hours: great care however must be taken in its administration.

IODURET OF MERCURY.

The iodurets of mercury have lately been employed in syphilis, and I have found them exceedingly useful in affections of that character.

Preparation of the Proto-Ioduret of Mercury.

Take 100 parts of crystallized proto-nitrate of mercury, and dissolve them in 400 parts of water. To the filtered solution add a solution of hydriodate of potass, until no more precipitate is formed. This precipitate is greenish yellow, and pulverulent. It is to be placed on a filter and well washed with water, until the latter gives no black precipitate on the addition of potass. It is then dried and preserved in a well-stopped bottle out of the sun's light.

This proto-ioduret is yellow and insoluble in water, on which it exerts no action whatever; it is volatile. According to Dr. Thompson, 162 parts of proto-ioduret contain 62 parts of iodine and 100 of mercury, or 250 of mercury and 156 of iodine.

Preparation of the Deuto-Ioduret.

It is prepared from 70 parts of deuto-chloruret of mercury or corrosive sublimate and 100 parts of hydriodate of potass. Dissolve them separately in distilled water, filter the liquors, and unite them by small quantities. A red powder is soon precipitated, which is collected on a filtre and washed carefully with distilled water, until the water comes off without taste.

The precipitate is then dried, powdered, and kept in a bottle out of the light. This deuto-ioduret is exceedingly soluble in the hydriodate of potass, and in the mercurial salts, so that an excess of neither should be added; it is also soluble in acids and alcohol. It is very volatile, and contains 250 parts of mercury, and 312 of iodine.

In preparing the deuto-ioduret, hydriodic acid may be substituted for the hydriodate of potass.

*Mode of employing the Ioduret of Mercury.**Ointment of the Proto-Ioduret of Mercury.*

Proto-ioduret of mercury.....20 grains.
Lard..... 1½ ounce.

This has been much praised in the treatment of inveterate venereal ulcers, whose cicatrization it certainly accelerates.

Ointment of the Deuto-Ioduret.

Deuto-ioduret of mercury.....20 grains.
Lard..... 1½ ounce.

This ointment is more powerful than the preceding, but is used in the same circumstances: a very small quantity should be placed on the pledgets of lint applied to the ulcers.

Alcoholic Solution of the Deuto-Ioduret of Mercury.

Alcohol at 36°..... 1½ ounce.
Deuto-ioduret of mercury.....20 grains.

Twenty-six drops of this solution are about equal to one-eighth of a grain of deuto-ioduret of mercury. The dose is 10, 15, or 20 drops in a glass of *distilled* water, as common water easily decomposes it.

It is said to be a most successful remedy in scrofulous affections complicated with syphilis.

Sulphuric Ether with the Deuto-Ioduret of Mercury.

Sulphuric ether..... 1½ ounce.
Proto or deuto-ioduret of mercury 20 grains.

This formula is more active than the preceding, and must therefore be given in smaller doses.

Pills of Deuto-Ioduret of Mercury.

Deuto-ioduret of mercury ,..... 1 grain.
Extract of juniper.....12 grains.
Liquorice powder.....q. s.

Divide into eight pills, two of which are to be taken morning and evening, and gradually increased to four at the same periods.

Pills of the Proto-Ioduret of Mercury.

Proto-ioduret of mercury..... 1 grain.
 Extract of juniper..... 12 grains.
 Liquorice powder, q. s.

Divide into eight pills, and take as in the preceding formula.

IODURET OF SULPHUR.

Take of iodine four parts, sublimed sulphur one part, mix and heat gently in a bottle: the excess of iodine is separated, and the ioduret remains as a grey, needled mass which rapidly absorbs moisture and soon decomposes.

Formula for Ointments of Ioduret of Sulphur.

	No. 1.	No. 2.
Ioduret of sulphur	5 parts.	8 parts.
Lard	96 do.	144 do.

M. Biett has used ioduret of sulphur for several years in tubercular affections of the skin.

[Dr. Copland has employed this preparation for some time and in similar cases of chronic cutaneous diseases. He has also given it in inhalation, and found it beneficial in chronic bronchitis; but in true tubercular phthisis it has not succeeded.—*Tr.*]

IODURET OF ZINC.

It may be a substitute for the ioduret of potassium. It is prepared either by decomposing a solution of sul-