

therefore used in pharmacy to colour mixtures red especially when an astringent effect is desired.

TINOSPORA.

Tinospora. The dried stem of *Tinospora cordifolia* collected in the East Indies.

CHARACTERS. In cylindrical straight or twisted pieces or in transverse sections $\frac{1}{4}$ to 2 in. in diameter. Covered with strongly wrinkled bark with deep longitudinal furrows and many round, elevated scars. The bark is smooth and greenish brown.

Officially used in India and Eastern Colonies.

Preparations.

1. **Infusum Tinosporæ.** 1 in 10.

Dose, $\frac{1}{2}$ to 1 fl. oz.

2. **Liquor Tinosporæ Concentratus.** Tinospora, 10; alcohol (60 per cent.), $4\frac{1}{2}$; distilled water, 20.

Dose, $\frac{1}{2}$ to 1 fl. dr.

3. **Tinctura Tinosporæ.** 1 in 5 of alcohol (60 per cent.).

Dose, $\frac{1}{2}$ to 1 fl. dr.

ACTION AND THERAPEUTICS.

Tinospora is very bitter, and is largely used in the East, especially during convalescence from malarial and other fevers. Its action is probably the same as that of other bitters (see p. 545).

TODDALIA.

Toddalia. *Synonym.* Laped. root. The dried root bark of *Toddalia aculeata*.

CHARACTERS. In quilled pieces $\frac{1}{2}$ to 1 in. thick, covered with soft yellowish periderm, fissured longitudinally, and exhibiting a bright yellow inner and deeper brown layer. Odour faint, aromatic. Taste pungent, bitter.

Officially used in India and Eastern Colonies.

Preparations.

1. **Infusum Toddaliæ.** 1 in 10.

Dose, 1 to 2 fl. oz.

2. **Liquor Toddaliæ Concentratus.** 1 in 2 (alcohol, 20 per cent.).

Dose, $\frac{1}{2}$ to 1 fl. dr.