

## Castanospermine, Glycosidase inhibitor

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Catalog	Unit
TBI1132-10MG	10 mg
TBI1132-100MG	100 mg

### Product Details

**Formal Name:** (1S,6S,7R,8R,8aR)-1,6,7,8-tetrahydroxyindolizidine (natural, from *Castanospermum australe*)

**Molecular Formula:** C<sub>8</sub>H<sub>15</sub>NO<sub>4</sub>

**Formula Weight:** 189.21

**CAS Number:** 79831-76-8

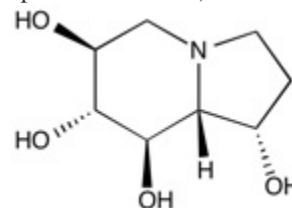
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in Water (up to 25 mg/ml)

**Storage:** 4°C

**Stability:** ≥ 2 years.



### Applications

Glycosidase inhibitor

### Functions

Potent inhibitor of  $\alpha$ - and  $\beta$ -glucosidases. Exhibits antiviral properties. Inhibits HIV infectivity. Inhibits thyroglobulin secretion. Displays antitumor activity and anti-angiogenic activity.

### Application Procedures

First dissolved in Water (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored at -20°C for up to 3 months.

**For research use only.**