

## PBD-150, Glutaminyl cyclase inhibitor

---

Catalog	Unit
TBI4885-10MG	10 mg
TBI4885-50MG	50 mg

### Product Details

**Formal Name:** 1-(3,4-Dimethoxyphenyl)-3-(3-imidazol-1-ylpropyl)thiourea

**Molecular Formula:** C<sub>15</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>S

**Formula Weight:** 320.4

**CAS Number:** 790663-33-1

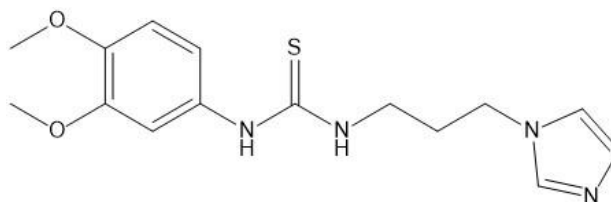
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to at least 25 mg/ml) or in Ethanol (up to at least 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Glutaminyl cyclase inhibitor

### Functions

Inhibitor of human glutaminyl cyclase (IC<sub>50</sub> = 60 nM). PBD-150 diminished Ab plaque formation and gliosis while improving memory in a mouse model with small amounts of Ab3(pE)-40/42.

### Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml) or in Ethanol (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**For research use only.**