

Catalog	Unit
TBI3474-100MG	100 mg
TBI3474-500MG	500 mg

### Product Details

**Formal Name:** 2-Chloro-10-[3-(4-methylpiperazin-1-yl)propyl]phenothiazine dimaleate

**Molecular Formula:** C<sub>20</sub>H<sub>24</sub>ClN<sub>3</sub>S • 2C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

**Formula Weight:** 606.10

**CAS Number:** 84-02-6

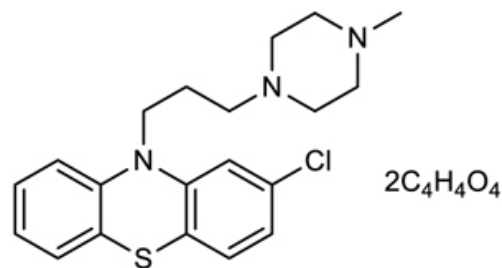
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 15 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Dopamine D2 Antagonist; Endocytosis inhibitor

### Functions

Inhibits dynamin and clathrin-mediated endocytosis (CME) with an IC<sub>50</sub>=5.8 μM for CME. Increases tumor cell antigen presentation enhancing the efficacy of anti-tumor mAbs. A clinically useful antipsychotic agent with antimigraine and antiemetic activity.

### Application Procedures

First dissolved in DMSO (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**