

## PRE084, Selective sigma-1 agonist

Catalog	Unit
TBI4203-5MG	5 mg
TBI4203-25MG	25 mg

### Product Details

**Formal Name:** 2-(4-Morpholinethyl) 1-phenylcyclohexanecarboxylate hydrochloride

**Molecular Formula:** C<sub>19</sub>H<sub>27</sub>NO<sub>3</sub>·HCl

**Formula Weight:** 353.89

**CAS Number:** 138847-85-5

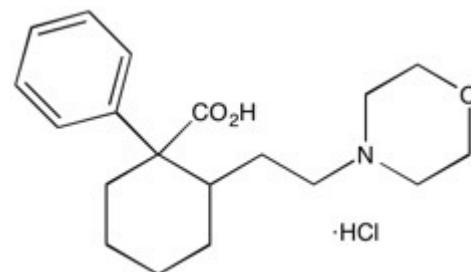
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml) or in Water (up to 7 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Selective sigma-1 agonist

### Functions

PRE084 is an agonist of the  $\sigma$  receptor with selectivity for the  $\sigma_1$  subtype (IC<sub>50</sub>'s:  $\sigma_1$  = 2.2nM,  $\sigma_2$  = 13091nM). PRE-084 has demonstrated neuroprotective/restorative effects in brain injury and neurodegenerative conditions.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Water (up to 7 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

**For research use only.**