

## LDN-57444, DUB inhibitor

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Catalog	Unit
TBI1303-5MG	5 mg
TBI1303-25MG	25 mg

### Product Details

**Formal Name:** 5-Chloro-1-[(2,5-dichlorophenyl)methyl]-1H-indole-2,3-dione 3-(O-acetyloxime)

**Molecular Formula:** C<sub>17</sub>H<sub>11</sub>Cl<sub>3</sub>N<sub>2</sub>O<sub>3</sub>

**Formula Weight:** 397.65

**CAS Number:** 668467-91-2

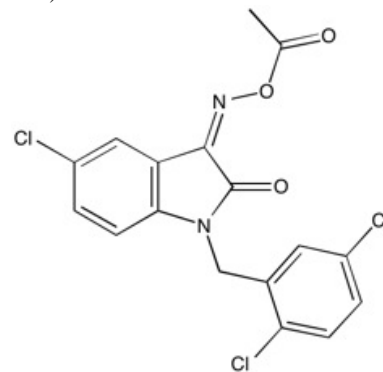
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 20 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

DUB inhibitor

### Functions

Inhibits ubiquitin C-terminal hydrolase (UCH-L1) (K<sub>i</sub>=0.4 μM). Decreases proteasome activity and increases levels of ubiquitinated proteins. Induces apoptosis. Causes dramatic alterations in synaptic protein distribution and spine morphology in vivo. Cell permeable.

### Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 week.

**For research use only.**