

LDN-91946

## Chemical Properties

CAS No.:	439946-22-2
Formula:	C <sub>15</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	314.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	LDN-91946 is an effective, selective, and uncompetitive inhibitor of ubiquitin C-terminal hydrolase-L1 (UCH-L1) (K <sub>i</sub> : 2.8 μM).
Targets(IC <sub>50</sub> )	UCH-L1: 2.8 μM(ki)
In vitro	LDN-91946 shows no activity against TGase 2, Papain, and Caspase-3 at 40 μM. LDN-91946 is inactive against UCH-L3 at 20 μM. There is no cytotoxicity when serum-starved Neuro 2A (N2A) cells are treated with LDN-91946 at concentrations as high as 0.1 mM.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.181 mL	15.907 mL	31.815 mL
5 mM	0.636 mL	3.181 mL	6.363 mL
10 mM	0.318 mL	1.591 mL	3.181 mL
50 mM	0.064 mL	0.318 mL	0.636 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Mermerian AH, et al. Structure-activity relationship, kinetic mechanism, and selectivity for a new class of ubiquitin C-terminal hydrolase-L1 (UCH-L1) inhibitors. Bioorg Med Chem Lett. 2007 Jul 1;17(13):3729-32.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481