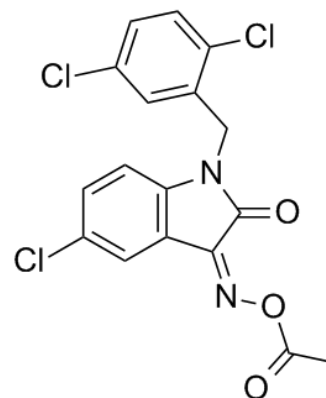


Product Name : LDN-57444
Cat. No. : PC-45498
CAS No. : 668467-91-2
Molecular Formula : C₁₇H₁₁Cl₃N₂O₃
Molecular Weight : 397.6398
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

LDN57444 is a potent, reversible, competitive, active site-directed **UCHL1** inhibitor with IC₅₀ of 0.88 μM.

LDN57444 shows weak inhibition on Uch-L3 (IC₅₀> 20 μM).

LDN57444 causes cell death through the apoptosis pathway by decreasing the activity of ubiquitin proteasome system and increasing the levels of highly ubiquitinated proteins, both of which can activate UPR.

References

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Xie M, et al. **J Alzheimers Dis**. 2016;49(2):353-63.

Tan YY, et al. **Mol Cell Biochem**. 2008 Nov;318(1-2):109-15.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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