

Product Data Sheet

Product Name: LDN-91946

Cat. No.: GC60981

Chemical Properties

Cas. No. 439946-22-2

SMILES OC(C1=CC2=C(SC(C(C3=CC=CC=C3)=O)=C2N)NC1=O)=O

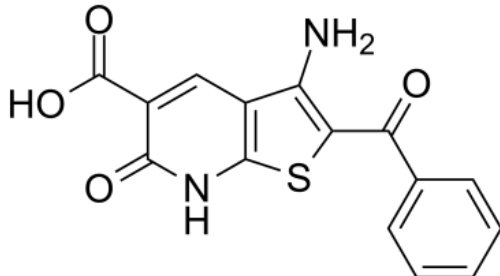
Formula $C_{15}H_{10}N_2O_4S$ M.Wt 314.32

Solubility DMSO: 83.33 mg/mL (265.11 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

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LDN-91946 is a potent, selective and uncompetitive ubiquitin C-terminal hydrolase-L1 (UCH-L1) inhibitor with a K_i app of 2.8 μ M[1].

LDN-91946 is inactive against UCH-L3 at 20 μ M. LDN-91946 demonstrates no activity against TGase 2, Papain, and Caspase-3 at 40 μ M[1]. There is no cytotoxicity when serum-starved Neuro 2A (N2A) cells are treated with LDN-91946 at concentrations as high as 0.1 mM[1].

[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.

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