

NBD-09027

Chemical Properties

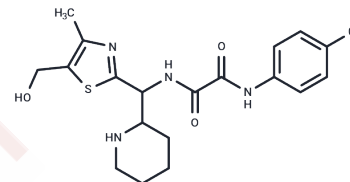
CAS No. : 1376434-43-3

Formula: C₁₉H₂₃ClN₄O₃S

Molecular Weight: 422.93

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	NBD-09027 is an inhibitor of HIV-1 entry.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3645 mL	11.8223 mL	23.6446 mL
5 mM	0.4729 mL	2.3645 mL	4.7289 mL
10 mM	0.2364 mL	1.1822 mL	2.3645 mL
50 mM	0.0473 mL	0.2364 mL	0.4729 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Curreli F, Kwon YD, Zhang H, Scacalossi D, Belov DS, Tikhonov AA, Andreev IA, Altieri A, Kurkin AV, Kwong PD, Debnath AK. Structure-Based Design of a Small Molecule CD4-Antagonist with Broad Spectrum Anti-HIV-1 Activity. *J Med Chem*. 2015 Sep 10;58(17):6909-6927. doi: 10.1021/acs.jmedchem.5b00709. Epub 2015 Aug 28. PubMed PMID: 26301736; PubMed Central PMCID: PMC4676410.

Curreli F, Kwon YD, Zhang H, Yang Y, Scacalossi D, Kwong PD, Debnath AK. Binding mode characterization of NBD series CD4-mimetic HIV-1 entry inhibitors by X-ray structure and resistance study. *Antimicrob Agents Chemother*. 2014 Sep;58(9):5478-91. doi: 10.1128/AAC.03339-14. Epub 2014 Jul 7. PubMed PMID: 25001301; PubMed Central PMCID: PMC4135886.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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