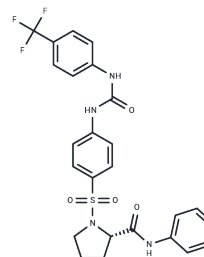


ZL0580

Chemical Properties

CAS No. : 2377151-10-3
Formula: C₂₅H₂₃F₃N₄O₄S
Molecular Weight: 532.53
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	ZL0580 induces HIV suppression by inhibiting Tat transactivation and transcription elongation as well as by inducing repressive chromatin structure at the HIV promoter.
Targets(IC50)	Epigenetic Reader Domain,HIV Protease
In vitro	In PBMCs of viremic HIV-infected individuals,ZL0580 (8 µM, 2 days) induces HIV transcriptional suppression with low toxicity[1]. ZL0580 treatment (10 µM) suppresses both PMA-stimulated and basal HIV transcription[1].

Solubility Information

Solubility	DMSO: 250 mg/mL (469.46 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8778 mL	9.3891 mL	18.7783 mL
5 mM	0.3756 mL	1.8778 mL	3.7557 mL
10 mM	0.1878 mL	0.9389 mL	1.8778 mL
50 mM	0.0376 mL	0.1878 mL	0.3756 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.

Reference

Niu Q, et al. Structure-guided drug design identifies a BRD4-selective small molecule that suppresses HIV. J Clin Invest. 2019 Jul 22;129(8):3361-3373.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481