

GSK3532795

Chemical Properties

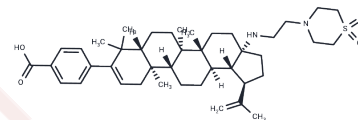
CAS No. : 1392312-45-6

Formula: C42H62N2O4S

Molecular Weight: 691.02

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 | GSK3532795 is a potent, orally active, second-generation HIV-1 maturation inhibitor (EC50s: 10.2, 1.9, 2.7, and 13 nM for HIV-1 WT(human serum), HIV-1 WT, HIV-1 V370A, and HIV-1 ΔV370). |
| Targets(IC50) | Others,HIV Protease |
| In vitro | GSK3532795 demonstrates binding affinities, expressed as equilibrium dissociation constants (Kds), of 3.2 ± 0.6 nM for HIV wild-type (WT), 4.3 ± 2.0 nM for the HIV V362I variant, 6.5 ± 2.2 nM for the HIV V370A variant, and 33.6 ± 5.9 nM for the HIV ΔV370 variant, indicating its effectiveness in targeting different forms of HIV. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.4471 mL | 7.2357 mL | 14.4714 mL |
| 5 mM | 0.2894 mL | 1.4471 mL | 2.8943 mL |
| 10 mM | 0.1447 mL | 0.7236 mL | 1.4471 mL |
| 50 mM | 0.0289 mL | 0.1447 mL | 0.2894 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

Regueiro-Ren A, et al. Design, Synthesis, and SAR of C-3 Benzoic Acid, C-17 Triterpenoid Derivatives. Identification of the HIV-1 Maturation Inhibitor 4-((1 R,3a S,5a R,5b R,7a R,11a S,11b R,13a R,13b R)-3a-((2-(1,1-Dioxidothiomorpholino)ethyl)amino)-5a,5b,8,8,11a-pentamethyl-1-(prop-1-en-2-yl)-2,3,3a,4,5,5a,5b,6,7,7a,8,11,11a,11b,12,13,13a,13b-octadecahydro-1 H-cyclopenta[a]chrysen-9-yl)benzoic Acid (GSK3532795, BMS-955176). J Med Chem. 2018 Aug 23;61(16):7289-7313.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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