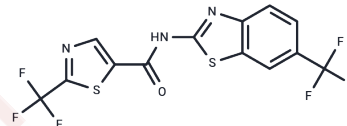


GPS491

## Chemical Properties

CAS No. : 2655502-29-5  
 Formula: C<sub>13</sub>H<sub>5</sub>F<sub>6</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 397.32  
 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	GPS491 has antiviral activity and inhibits HIV-1, adenovirus, and coronavirus replication by altering RNA processing.
Targets(IC50)	Antiviral,HIV Protease

## Solubility Information

Solubility	DMSO: 6.25 mg/mL (15.73 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	2.5169 mL	12.5843 mL	25.1686 mL
5 mM	0.5034 mL	2.5169 mL	5.0337 mL
10 mM	0.2517 mL	1.2584 mL	2.5169 mL
50 mM	0.0503 mL	0.2517 mL	0.5034 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

Zamiri M, et al. 2-Trifluoromethylthiazole-5-carboxamides: Analogues of a Stilbene-Based Anti-HIV Agent that Impact HIV mRNA Processing. ACS Med Chem Lett. 2021 Oct 29;12(11):1818-1823.

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