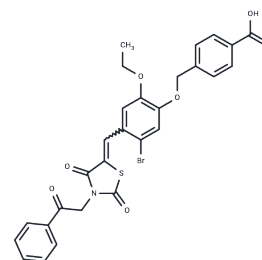


D77

## Chemical Properties

CAS No. : 497836-10-9  
 Formula: C<sub>28</sub>H<sub>22</sub>BrNO<sub>7</sub>S  
 Molecular Weight: 596.45  
 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	D77 is anti-HIV-1 inhibitor. D77 inhibits HIV-1(IIIB) replication by EC <sub>50</sub> value of 23.8 µg/ml in MT-4 cell (5.03 µg/ml for C8166 cells).
Targets(IC <sub>50</sub> )	Others,HIV Protease
In vitro	D77 shows a highly specific binding affinity to HIV-1 integrase catalytic core domain. D77 reveals a significant inhibition activity against the interaction of IN with IBD. D77 induces a dramatic concentration-dependent decrease of α-galactosidase activity compared to the D77-untreated cells.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6766 mL	8.3829 mL	16.7659 mL
5 mM	0.3353 mL	1.6766 mL	3.3532 mL
10 mM	0.1677 mL	0.8383 mL	1.6766 mL
50 mM	0.0335 mL	0.1677 mL	0.3353 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

Du L, et al. D77, one benzoic acid derivative, functions as a novel anti-HIV-1 inhibitor targeting the interaction between integrase and cellular LEDGF/p75. *Biochem Biophys Res Commun.* 2008 Oct 10;375(1):139-144.

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