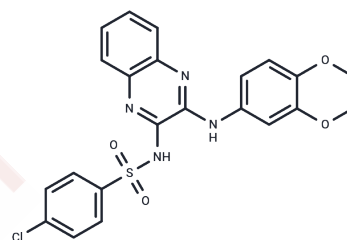


DQBS

Chemical Properties

CAS No. : 372087-80-4
 Formula: C₂₂H₁₇ClN₄O₄S
 Molecular Weight: 468.91
 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 | DQBS is a potent HIV-1 Nef antagonist. It blocks Nef-induced Src kinase activation and reverses CD4/MHC-I downregulation, used for HIV replication research. |
| Targets(IC50) | HIV Protease |
| In vitro | DQBS directly bound to HIV-1 Nef, inhibited Nef-mediated SFK activation, restored MHC-I surface expression, and reduced Nef-dependent viral infectivity[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 2.1326 mL | 10.663 mL | 21.3261 mL |
| 5 mM | 0.4265 mL | 2.1326 mL | 4.2652 mL |
| 10 mM | 0.2133 mL | 1.0663 mL | 2.1326 mL |
| 50 mM | 0.0427 mL | 0.2133 mL | 0.4265 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

Er J C, Vendrell M, Tang M K, et al. Fluorescent dye cocktail for multiplex drug-site mapping on human serum albumin[J]. ACS Combinatorial Science, 2013, 15(9): 452-457.

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