

hDDAH-1-IN-1 TFA

Chemical Properties

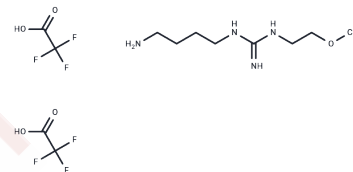
CAS No. : 1229238-70-3

Formula: C₁₂H₂₂F₆N₄O₅

Molecular Weight: 416.32

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	hDDAH-1-IN-1 TFA is a selective non-amino acid catalytic site inhibitor of human dimethylarginine dimethylaminohydrolase-1 (hDDAH-1) (K _i : 18 μM).
Targets(IC50)	Others,NO Synthase
In vitro	hDDAH-1-IN-1 TFA is a potent inhibitor of hDDAH-1 (K _i = 18 μM) that does not significantly affect NOSs and arginase.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.402 mL	12.010 mL	24.020 mL
5 mM	0.4804 mL	2.402 mL	4.804 mL
10 mM	0.2402 mL	1.201 mL	2.402 mL
50 mM	0.048 mL	0.2402 mL	0.4804 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

Lunk I, et al. Discovery of N-(4-Aminobutyl)-N'-(2-methoxyethyl)guanidine as the First Selective, Nonamino Acid, Catalytic Site Inhibitor of Human Dimethylarginine Dimethylaminohydrolase-1 (hDDAH-1). J Med Chem. 2019 Dec 31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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