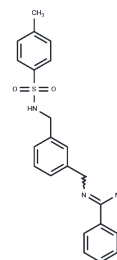


iNOS inhibitor-10

Chemical Properties

CAS No. :	2918773-63-2
Formula:	C22H23N3O2S
Molecular Weight:	393.5
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	iNOS Inhibitor-10, with an IC50 of 65 nM, exhibits antiproliferative effects on triple-negative breast cancer cells [1].
Targets(IC50)	NO Synthase
In vitro	iNOS inhibitor-10 at a concentration of 1 μ M suppresses iNOS activity by 83% while remaining inactive against eNOS [1]. The same inhibitor, ranging from 0.001 to 100 μ M over a period of 5 days, diminishes the viability of MDA-MB-231 cells [1]. Furthermore, at 25 μ M for 24 hours, it impedes the migration of MDA-MB-231 cells [1]. Tested in liver microsomes, iNOS inhibitor-10 displays moderate metabolic stability, evidenced by a half-life ($t_{1/2}$) of 38 minutes and an intrinsic clearance (CL_{int}) of 39.6 mL/min/Kg [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5413 mL	12.7065 mL	25.413 mL
5 mM	0.5083 mL	2.5413 mL	5.0826 mL
10 mM	0.2541 mL	1.2706 mL	2.5413 mL
50 mM	0.0508 mL	0.2541 mL	0.5083 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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