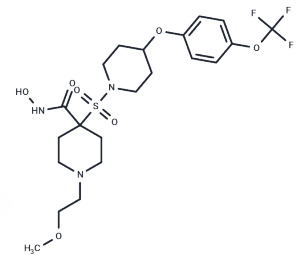


SD-7300

Chemical Properties

CAS No. : 748120-89-0
 Formula: C₂₁H₃₀F₃N₃O₇S
 Molecular Weight: 525.54
 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	SD-7300 (SC-81490) functions as an orally active inhibitor targeting MMP-2, MMP-9, and MMP-13, exhibiting potent inhibition with K _i values of 0.03, 0.01, and 0.03 nM, respectively. By inhibiting these metalloproteinases, SD-7300 effectively reduces extracellular matrix degradation by tumor cells, thereby curbing their invasion and metastasis. Additionally, this compound acts as a dose-dependent inhibitor of mouse corneal angiogenesis and prevents interleukin-1-induced degradation of bovine cartilage. SD-7300 is applicable in the study of breast cancer.
Targets(IC50)	MMP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9028 mL	9.514 mL	19.028 mL
5 mM	0.3806 mL	1.9028 mL	3.8056 mL
10 mM	0.1903 mL	0.9514 mL	1.9028 mL
50 mM	0.0381 mL	0.1903 mL	0.3806 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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