

Anticancer agent 183

Chemical Properties

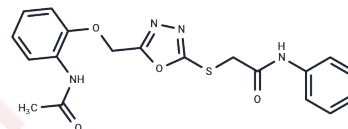
CAS No. : 3018960-58-9

Formula: C₁₉H₁₈N₄O₄S

Molecular Weight: 398.44

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	Anticancer agent 183 (compound 4h) exhibits potent inhibition of matrix metalloproteinase-9 (MMP-9), reducing its viability by more than 75% at a concentration of 100 µg/mL. Additionally, it demonstrates significant anticancer activity, with an IC ₅₀ value of <0.14 µM against the A549 cell line and induces apoptotic [1] processes.
Targets(IC ₅₀)	Apoptosis, MMP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5098 mL	12.5489 mL	25.0979 mL
5 mM	0.502 mL	2.5098 mL	5.0196 mL
10 mM	0.251 mL	1.2549 mL	2.5098 mL
50 mM	0.0502 mL	0.251 mL	0.502 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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