

NTPDase-IN-1

Chemical Properties

CAS No. :

Formula: C₁₈H₂₅N₃O₅S₂

Molecular Weight: 363.54

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	NTPDase-IN-1 (compound 5a) is a selective inhibitor of NTPDase enzymes. It shows inhibitory activity against h-NTPDase-1, h-NTPDase-2, and h-NTPDase-8 with IC ₅₀ values of 0.05 µM, 0.23 µM, and 0.54 µM, respectively. NTPDase-IN-1 exerts non-competitive inhibition on h-NTPDase-1 and h-NTPDase-2, with a K _m value of 21 µM for h-NTPDase-1. This compound is useful for investigating various conditions like cancer, immunologic disorders, and bacterial infections [1].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7507 mL	13.7536 mL	27.5073 mL
5 mM	0.5501 mL	2.7507 mL	5.5015 mL
10 mM	0.2751 mL	1.3754 mL	2.7507 mL
50 mM	0.055 mL	0.2751 mL	0.5501 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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