

2,4-Dinitrobenzenesulfonic acid

Chemical Properties

CAS No. :	89-02-1
Formula:	C ₆ H ₄ N ₂ O ₇ S
Molecular Weight:	248.17
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	2,4-Dinitrobenzenesulfonic acid (Compound 3) is an extracellular 5'-nucleotidase (CD73) inhibitor, with a K_i value of 63 μ M for human and 144 μ M for rat. It inhibits the hydrolysis of adenosine monophosphate (AMP) to adenosine and is applicable in cancer research.
Targets(IC50)	CD73

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0295 mL	20.1475 mL	40.295 mL
5 mM	0.8059 mL	4.0295 mL	8.059 mL
10 mM	0.4029 mL	2.0147 mL	4.0295 mL
50 mM	0.0806 mL	0.4029 mL	0.8059 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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