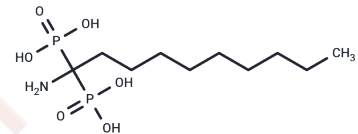


1-Aminodecylidene bis-Phosphonic Acid

Chemical Properties

CAS No. :	15049-93-1
Formula:	C ₁₀ H ₂₅ NO ₆ P ₂
Molecular Weight:	317.26
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	1-Aminodecylidenebis-phosphonic acid, with its potent inhibitory effect on acid sphingomyelinase (IC ₅₀ = 20 nM), shows selectivity by being less effective against neutral sphingomyelinase (IC ₅₀ = >100 μM). Additionally, it entirely prevents dexamethasone-induced apoptosis in HepG2 cells.
Targets(IC ₅₀)	Others,Phospholipase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.152 mL	15.7599 mL	31.5199 mL
5 mM	0.6304 mL	3.152 mL	6.304 mL
10 mM	0.3152 mL	1.576 mL	3.152 mL
50 mM	0.063 mL	0.3152 mL	0.6304 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481