

Product Data Sheet

Product Name: 1-Aminodecylidene bis-Phosphonic Acid

Cat. No.: GC41985

Chemical Properties

Cas. No. 15049-93-1

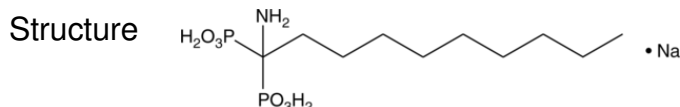
SMILES NC(CCCCCCCC)(P(O)(O)=O)P(O)(O)=O

Formula $C_{10}H_{25}NO_6P_2$ M.Wt 317.3

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.



Background

1-Aminodecylidene bis-phosphonic acid is a potent inhibitor of acid sphingomyelinase (IC₅₀ = 20 nM). It is selective for acid sphingomyelinase over neutral sphingomyelinase (IC₅₀ = >100 μM). 1-Aminodecylidene bis-phosphonic acid completely inhibits apoptosis induced by dexamethasone in HepG2 cells.

Caution: Product has not been fully validated for medical applications. For research use only.

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