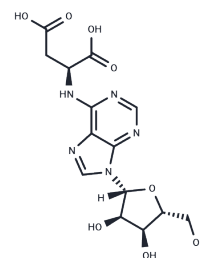


Succinyladenosine

Chemical Properties

CAS No. :	4542-23-8
Formula:	C ₁₄ H ₁₇ N ₅ O ₈
Molecular Weight:	383.317
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	Succinyladenosine is a biochemical marker of adenylosuccinase (ASL) deficiency. It is formed through the dephosphorylation of intracellular adenylosuccinic acid (S-AMP) by cytosolic 5-nucleotidase [1].
Targets(IC50)	Others,Endogenous Metabolite
In vitro	The presence of high concentrations of Succinyladenosine (S-Ado) in the human cerebrospinal fluid (CSF) in the range of 100-500 μmol/L is a diagnostic marker for inherited enzyme deficiency of ASL[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6088 mL	13.0439 mL	26.0879 mL
5 mM	0.5218 mL	2.6088 mL	5.2176 mL
10 mM	0.2609 mL	1.3044 mL	2.6088 mL
50 mM	0.0522 mL	0.2609 mL	0.5218 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.

Reference

J Krijt, et al. Identification and Determination of Succinyladenosine in Human Cerebrospinal Fluid . J Chromatogr B Biomed Sci Appl. 1999 Apr 16;726(1-2):53-8.

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