

Product Data Sheet

Product Name: Succinyladenosine

Cat. No.: GC61614

Chemical Properties

Cas. No. 4542-23-8

SMILES O[C@H]([C@@H]1O)[C@](O[C@@H]1CO)([H])N2C3=NC=NC(N[C@H](C(O)=O)CC(O)=O)=C3N=C2

Formula $C_{14}H_{17}N_5O_8$

M.Wt 383.31

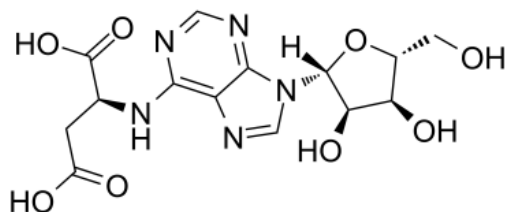
Solubility

Storage -80°C, Avoid repeated freeze-thaw cycles.

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.

Structure



Background

Succinyladenosine, the metabolic product of dephosphorylation of intracellular adenylosuccinic acid (S-AMP) by cytosolic 5-nucleotidase, is a biochemical marker of adenylosuccinase (ASL) deficiency[1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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The presence of high concentrations of Succinyladenosine (S-Ado) in the human cerebrospinal fluid (CSF) in the range of 100-500 $\mu\text{mol/L}$ is a diagnostic marker for inherited enzyme deficiency of ASL[1].

[1]. 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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