

Product Data Sheet

Product Name: L-Adenosine

Cat. No.: GC66645

Chemical Properties

Cas. No. 3080-29-3

Formula $C_{10}H_{13}N_5O_4$

M.Wt 267.24

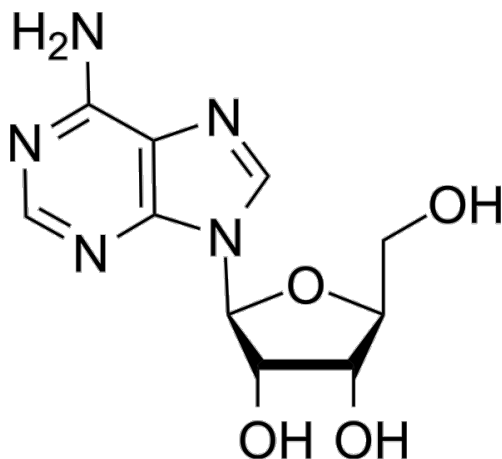
Solubility

Storage 4°C, protect from light

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

L-Adenosine is a metabolically stable enantiomeric analog and also is a potential probe. L-Adenosine has weakly inhibitory **adenosine deaminase (ADA)** activity with an **K_i** value of 385 μM. L-Adenosine can be used for the research of adenosine uptake and accumulation^[1].

L-Adenosine (10-10,000 μM) weakly inhibits rat brain adenosine deaminase (ADA) activity with an **K_i** value of 385 μM^[1].

[1]. J G Gu, et al. L-[3H]adenosine, a new metabolically stable enantiomeric probe for adenosine

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

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transport systems in rat brain synaptoneuroosomes. J Neurochem. 1991 Feb;56(2):548-52.

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