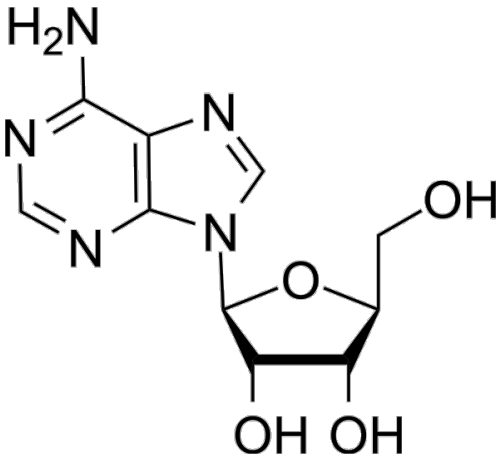
Product Data Sheet

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

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