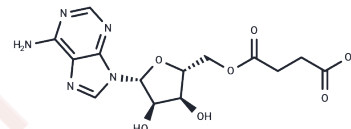


Adenosine 5'-succinate

Chemical Properties

CAS No. :	102029-71-0
Formula:	C ₁₄ H ₁₇ N ₅ O ₇
Molecular Weight:	367.318
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	Adenosine 5'-succinate is a compound closely related to adenosine monophosphate (AMP) that demonstrates strong inhibitory properties against taste receptor activation of transducin caused by Denatonium benzoate.
Targets(IC50)	Others, Taste receptor
In vitro	Adenosine 5'-succinate (5.0 mM) significantly inhibits the activation of transducin by denatonium benzoate (DEN) and taste receptors, suggesting its potential role as a natural taste modifier by binding to bitter taste receptors[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7224 mL	13.6121 mL	27.2242 mL
5 mM	0.5445 mL	2.7224 mL	5.4448 mL
10 mM	0.2722 mL	1.3612 mL	2.7224 mL
50 mM	0.0544 mL	0.2722 mL	0.5445 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

D Ming, et al. Blocking Taste Receptor Activation of Gustducin Inhibits Gustatory Responses to Bitter Compounds. Proc Natl Acad Sci U S A. 1999 Aug 17;96(17):9903-8.

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