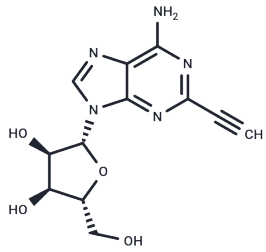
Data Sheet (Cat.No.T29347)

TargetMol

2-Ethynyl Adenosine

Chemical Properties



CAS No. : 99044-57-2

Formula: C12H13N5O4

Molecular Weight: 291.26

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	2-Ethynyl Adenosine is an Adenosine derivative that is used to capture novel polyadenylated transcription and non-radiochemical reporter molecules of the protein AMPylation.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4334 mL	17.1668 mL	34.3336 mL
5 mM	0.6867 mL	3.4334 mL	6.8667 mL
10 mM	0.3433 mL	1.7167 mL	3.4334 mL
50 mM	0.0687 mL	0.3433 mL	0.6867 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

Creech C, Kanaujia M, Causey CP. Synthesis and evaluation of 2-ethynyl-adenosine-5'-triphosphate as a chemical reporter for protein AMPylation. Org Biomol Chem. 2015 Aug 21;13(31):8550-5. doi: 10.1039/c5ob01081k. PubMed PMID: 26173047.

Tosh DK, Deflorian F, Phan K, Gao ZG, Wan TC, Gizewski E, Auchampach JA, Jacobson KA. Structure-guided design of A(3) adenosine receptor-selective nucleosides: combination of 2-arylethynyl and bicyclo[3.1.0]hexane substitutions. J Med Chem. 2012 May 24;55(10):4847-60. doi: 10.1021/jm300396n. Epub 2012 May 16. PubMed PMID: 22559880; PubMed Central PMCID: PMC3371665.

Mathieu R, Baurand A, Schmitt M, Gachet C, Bourguignon JJ. Synthesis and biological activity of 2-alkylated deoxyadenosine bisphosphate derivatives as P2Y(1) receptor antagonists. Bioorg Med Chem. 2004 Apr 1;12(7):1769-79. PubMed PMID: 15028267.

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