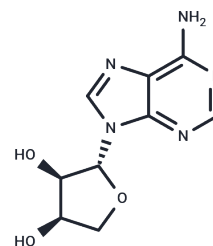


Erythrofuranosyladenine

Chemical Properties

CAS No. :	17019-46-4
Formula:	C ₉ H ₁₁ N ₅ O ₃
Molecular Weight:	237.22
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	Erythrofuranosyladenine(9-beta-D-Erythrofuranosyladenine, ETA) is a nontoxic MTAP substrate. Erythrofuranosyladenine is an effective salvage agent for methylthioadenosine phosphorylase-selective therapy of T-cell acute lymphoblastic leukemia with L-alanosine.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2155 mL	21.0775 mL	42.155 mL
5 mM	0.8431 mL	4.2155 mL	8.431 mL
10 mM	0.4215 mL	2.1077 mL	4.2155 mL
50 mM	0.0843 mL	0.4215 mL	0.8431 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

Batova A, Cottam H, Yu J, Diccianni MB, Carrera CJ, Yu AL. EFA (9-beta-D-erythrofuranosyladenine) is an effective salvage agent for methylthioadenosine phosphorylase-selective therapy of T-cell acute lymphoblastic leukemia with L-alanosine. *Blood*. 2006 Feb 1;107(3):898-903. Epub 2005 Oct 18. PubMed PMID: 16234352; PubMed Central PMCID: PMC1895892.

Lerner LM. Preparation of nucleosides via isopropylidene sugar derivatives. IV. Synthesis of 9-alpha and 9-beta-L-erythrofuranosyladenine. *J Org Chem*. 1969 Jan;34(1):101-3. PubMed PMID: 5768222.

Marcé S, Balagué O, Colomo L, Martinez A, Höller S, Villamor N, Bosch F, Ott G, Rosenwald A, Leoni L, Esteller M, Fraga MF, Montserrat E, Colomer D, Campo E. Lack of methylthioadenosine phosphorylase expression in mantle cell lymphoma is associated with shorter survival: implications for a potential targeted therapy. *Clin Cancer Res*. 2006 Jun 15;12(12):3754-61. PubMed PMID: 16778103.

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