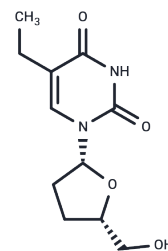


5-Et-ddU

Chemical Properties

CAS No. :	108895-49-4
Formula:	C ₁₁ H ₁₆ N ₂ O ₄
Molecular Weight:	240.26
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	5-Et-ddU, Structure-activity relationships of pyrimidine nucleosides as antiviral agents for human immunodeficiency virus type 1 in peripheral blood mononuclear cells.
Targets(IC50)	Others,HIV Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1622 mL	20.8108 mL	41.6216 mL
5 mM	0.8324 mL	4.1622 mL	8.3243 mL
10 mM	0.4162 mL	2.0811 mL	4.1622 mL
50 mM	0.0832 mL	0.4162 mL	0.8324 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

Srivastav NC, Shakya N, Bhavanam S, Agrawal A, Tse C, Desroches N, Kunimoto DY, Kumar R. Antimycobacterial activities of 5-alkyl (or halo)-3'-substituted pyrimidine nucleoside analogs. *Bioorg Med Chem Lett*. 2012 Jan 15;22(2):1091-4. doi: 10.1016/j.bmcl.2011.11.114. Epub 2011 Dec 4. PubMed PMID: 22178557.

Chu CK, Schinazi RF, Ahn MK, Ullas GV, Gu ZP. Structure-activity relationships of pyrimidine nucleosides as antiviral agents for human immunodeficiency virus type 1 in peripheral blood mononuclear cells. *J Med Chem*. 1989 Mar;32(3):612-7. PubMed PMID: 2918508.

Chu CK, Schinazi RF, Arnold BH, Cannon DL, Doboszewski B, Bhadti VB, Gu ZP. Comparative activity of 2',3'-saturated and unsaturated pyrimidine and purine nucleosides against human immunodeficiency virus type 1 in peripheral blood mononuclear cells. *Biochem Pharmacol*. 1988 Oct 1;37(19):3543-8. PubMed PMID: 3178868.

Balzarini J, Baba M, Pauwels R, Herdewijn P, De Clerq E. Anti-retrovirus activity of 3'-fluoro- and 3'-azido-substituted pyrimidine 2',3'-dideoxynucleoside analogues. *Biochem Pharmacol*. 1988 Jul 15;37(14):2847-56. PubMed PMID: 2840080.

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