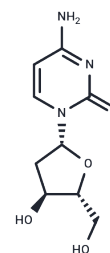


2'-Deoxycytidine (Standard)

Chemical Properties

CAS No. :	951-77-9
Formula:	C ₉ H ₁₃ N ₃ O ₄
Molecular Weight:	227.22
Storage:	Store at -80°C Actual storage temperature shall be subject to the COA.



Biological Description

Description	2'-Deoxycytidine (Standard) is the standard substance of 2'-Deoxycytidine, and it is applicable for quantitative analysis, quality control, and related research in biochemical experiments. 2'-Deoxycytidine is one of the major nucleosides of DNA consisting of cytosine and deoxyribose and inhibits the biological effects of bromodeoxyuridine (BrdU). The nucleoside consists only of a pentose sugar attached to a purine or pyrimidine base and has no phosphate group. When N1 is attached to C1 of deoxyribose, deoxyribosides and nucleotides are formed from cytosine and deoxyribose; deoxycytidine monophosphate (dCMP), deoxycytidine diphosphate (dCDP), and deoxycytidine triphosphate (dCTP). cTP is the source of cytosine in RNA (ribonucleic acid) and deoxycytidine triphosphate (dCTP) is the source of deoxycytidine in DNA (deoxyribonucleic acid). Itaconic acid is a polymer.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.401 mL	22.0051 mL	44.0102 mL
5 mM	0.8802 mL	4.401 mL	8.802 mL
10 mM	0.4401 mL	2.2005 mL	4.401 mL
50 mM	0.088 mL	0.4401 mL	0.8802 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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