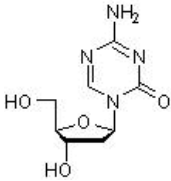


Product datasheet

5-Aza-2'-deoxycytidine (Decitabine), DNMT1 inhibitor ab120842

[9 References](#) [1 Image](#)

Overview

Product name	5-Aza-2'-deoxycytidine (Decitabine), DNMT1 inhibitor
Description	Potent DNMT1 inhibitor. Induces DNA hypomethylation.
Biological description	Potent DNA methyltransferase 1 (DNMT1) inhibitor (IC ₅₀ = 0.2 μM). Incorporated into DNA, inhibits DNMT1 activity to induce DNA hypomethylation. Interferes with protein synthesis. Shows antimetabolic and anticancer activities <i>in vitro</i> . Active <i>in vivo</i> .
Purity	> 99%
CAS Number	2353-33-5
Chemical structure	

Properties

Chemical name	4-Amino-1-(2-deoxy-β-D-ribofuranosyl)-1,3,5-triazin-2(1H)-one
Molecular weight	228.21
Molecular formula	C ₈ H ₁₂ N ₄ O ₄
PubChem identifier	451668
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 50 mM and in DMSO to 50 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked</p>

[questions \(FAQ\) page](#) for more details.

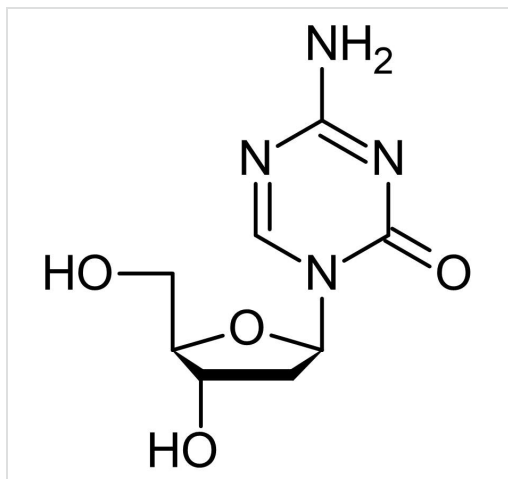
SMILES

C1[C@@H]([C@H](O[C@H]1N2C=NC(=O)N)CO)O

Source

Synthetic

Images



Chemical Structure - 5-Aza-2'-deoxycytidine
(Decitabine), DNMT1 inhibitor (ab120842)

2D chemical structure image of ab120842, 5-Aza-2'-deoxycytidine (Decitabine), DNMT1 inhibitor

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