

Product datasheet

Iodotubercidin, adenosine kinase inhibitor ab120452

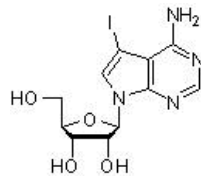
[1 References](#) [1 Image](#)

Overview

Product name	Iodotubercidin, adenosine kinase inhibitor
Description	Potent, adenosine kinase inhibitor
Biological description	Potent, specific adenosine kinase inhibitor (IC ₅₀ = 26 nM). Inhibits platelet aggregation and spreading, and interferes with adenosine and adenine nucleotide metabolism. Additionally inhibits other kinases such as ERK2 (K _i = 525 nM).

CAS Number 24386-93-4

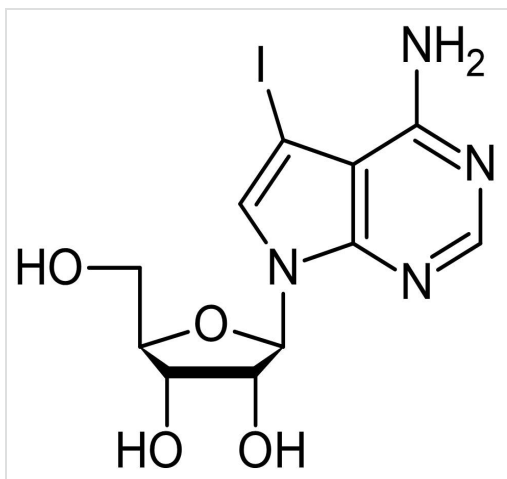
Chemical structure



Properties

Chemical name	5-Iodo-7-β-D-ribofuranosyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine
Molecular weight	392.15
Molecular formula	C ₁₁ H ₁₃ N ₄ O ₄
PubChem identifier	46875276
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble 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 week. 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>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>Nc3ncnc2c3c(I)cn2C1O[C@H](CO)[C@@H](O)[C@H]1O</chem>
Source	Synthetic

Images



Chemical Structure - Iodotubercidin, adenosine kinase inhibitor (ab120452)

2D chemical structure image of ab120452, Iodotubercidin, adenosine kinase inhibitor

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