

Product Datasheet

Didanosine (orb1224212)

Catalog Number	orb1224212
Category	Small Molecules
Description	Didanosine is a reverse transcriptase inhibitor with an IC50 of 0.49 μ M.(In Vitro):Didanosine is converted by cellular enzymes to the active antiviral metabolite dideoxyadenosine triphosphate (dd-ATP) and the intracellular half life of dd-ATP varies from 8-24 hours.Didanosine shows antiretroviral activity with IC50 value of 0.24-0.6 mg/L for HIV infection.Didanosine (5, 10, 50, 100 ug/ml; 24, 48 h) shows no significant inhibition of cell proliferation in IEC-6 cells.(In Vivo):Didanosine (100, 150 mg/kg; p.o.; daily for 7 days) decreases the length of duodenal and in jejunal villus in mouse.
Target	Reverse Transcriptase
Purity	>98% (HPLC)
MW	236.23
Target Areas	Reverse Transcriptase
Solubility (25°C)	DMSO: 47 mg/mL (198.95 mM)
CAS Number	69655-05-6
Formula	C ₁₀ H ₁₂ N ₄ O ₃
SMILES	C1C[C@@H](O[C@@H]1CO)N2C=NC3=C2NC=NC3=O
Chemical Name	9-[(2R,5S)-5-(hydroxymethyl)oxolan-2-yl]-3H-purin-6-one
Storage	Storage temperature: -20°C. Stability: \geq 2 years
Note	For research use only

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Expiration Date

12 months from date of receipt.

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