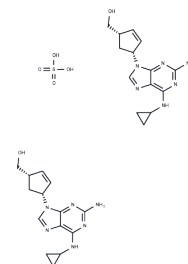


Abacavir sulfate

Chemical Properties

CAS No. :	188062-50-2
Formula:	C ₁₄ H ₁₈ N ₆ O·1/2H ₂ O ₄ S
Molecular Weight:	335.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Abacavir sulfate (Ziagen) , a nucleoside analogue, effectively utilize its antiviral activity
Targets(IC50)	Apoptosis,HIV Protease,Reverse Transcriptase
In vitro	Abacavir is an analog of guanosine (a purine). Its target is the viral reverse transcriptase enzyme.

Solubility Information

Solubility	DMSO: 45 mg/mL (134.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9817 mL	14.9085 mL	29.8169 mL
5 mM	0.5963 mL	2.9817 mL	5.9634 mL
10 mM	0.2982 mL	1.4908 mL	2.9817 mL
50 mM	0.0596 mL	0.2982 mL	0.5963 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.

Reference

- Mallal S, et al. Lancet, 2002, 359(9308), 727-732.
Mallal S, et al. N Engl J Med, 2008, 358(6), 568-579.

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