Abacavir sulfate

Catalog No.C09172 Batch:C0917203

Product Datasheet

Technical Data

Formula	$C_{14}H_{18}N_6O.1/2\ H_2SO_4$		
Molecular Weight	335.35	**CAS No.**	188062-50-2
Solubility (25°C)*	In vitro	Water	67 mg/mL (199.79 mM)
		DMSO	Insoluble
		Ethanol	Insoluble

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.9820 mL	14.9098 mL	29.8196 mL
5 mM	0.5964 mL	2.9820 mL	5.9639 mL
10 mM	0.2982 mL	1.4910 mL	2.9820 mL
50 mM	0.0596 mL	0.2982 mL	0.5964 mL

Biological Activity

Description	Abacavir (1592U89) is a commonly used nucleoside analogue with potent antiviral activity against HIV-1.
Targets	HIV-1 reverse-transcriptase [1]
In vitro	Abacavir is an analog of guanosine (a purine). Its target is the viral reverse transcriptase enzyme.

References

https://pubmed.ncbi.nlm.nih.gov/11888582/

https://pubmed.ncbi.nlm.nih.gov/18256392/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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