Product Datasheet

Technical Data

Formula	$C_{19}H_{30}N_5O_{10}P$					
Molecular Weight	519.44	**CAS No.**	201341-05-1			
Solubility (25°C)*	In vitro	DMSO	100 mg/mL (192.51 mM)			
		Ethanol	100 mg/mL (192.51 mM)			
		Water	Insoluble			
	In vivo (Add solvents to the product individually and in order)	Oral Administration	Homogeneous suspension	CMC-NA	≥5mg/ml	Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml.

* <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	1.9252 mL	9.6258 mL	19.2515 mL
5 mM	0.3850 mL	1.9252 mL	3.8503 mL
10 mM	0.1925 mL	0.9626 mL	1.9252 mL
50 mM	0.0385 mL	0.1925 mL	0.3850 mL

Biological Activity

Description	Tenofovir Disoproxil (Bis(POC)-PMPA, GS 4331) is a prodrug of tenofovir, which is metabolised intracellularly to its active anabolite tenofovir diphosphate, a competitive inhibitor of **HIV-1 reverse transcriptase** and terminates the growing DNA chain.
Targets	Reverse Transcriptase [1]

References

https://pubmed.ncbi.nlm.nih.gov/15217303/

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.

EU Headquarters
Gajeva ulica 28, HR-10000 Zagreb, Croatia

US Headquarters
12222 Merit Dr STE 130 Dallas, Texas, 75251

UK Headquarters
121 ABILITY HOUSE, BROOKER ROAD, EN9 1JH, ESSEX

Orders: Sales@capsidbio.com
Enquiries: info@capsidbio.com
www.capsidbio.com