

β -Thujaplicinol

Chemical Properties

CAS No. :	29346-20-1
Formula:	C ₁₀ H ₁₂ O ₃
Molecular Weight:	180.2
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	β -Thujaplicinol, a hydroxylated thujaplicinone isolated from western red cedar heartwood, has antiviral activity, inhibits hepatitis B virus replication by blocking viral ribonuclease H activity, and can be used in the study of viral infections.
Targets(IC50)	HBV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5494 mL	27.7469 mL	55.4939 mL
5 mM	1.1099 mL	5.5494 mL	11.0988 mL
10 mM	0.5549 mL	2.7747 mL	5.5494 mL
50 mM	0.111 mL	0.5549 mL	1.1099 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Martín-Alonso S, et al. Novel RNase H Inhibitors Blocking RNA-directed Strand Displacement DNA Synthesis by HIV-1 Reverse Transcriptase. J Mol Biol. 2022 Apr 15;434(7):167507.

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