

Data Sheet (Cat.No.TN2284)

Triptonine B

Chemical Properties

CAS No.:	168009-85-6
Formula:	C ₄₆ H ₄₉ NO ₂₂
Molecular Weight:	967.9
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Triptonine B demonstrates potent anti-HIV activity with an EC(50) value of <0.10 microg/mL and an in vitro therapeutic index value of >1000.
Targets(IC ₅₀)	HIV: None
In vitro	The structures of 1-5 were elucidated by spectroscopic methods. The anti-HIV activity of 1, 2, and several related compounds was evaluated. Triptonine B (2) demonstrated potent anti-HIV activity with an EC(50) value of <0.10 microg/mL and an in vitro therapeutic index value of >1000.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.033 mL	5.166 mL	10.332 mL
5 mM	0.207 mL	1.033 mL	2.066 mL
10 mM	0.103 mL	0.517 mL	1.033 mL
50 mM	0.021 mL	0.103 mL	0.207 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Sesquiterpene alkaloids from *Tripterygium hypoglucum* and *Tripterygium wilfordii*: a new class of potent anti-HIV agents. *J Nat Prod.* 2000 Mar;63(3):357-61.

Inhibitors · Natural Compounds · Compound Libraries

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