Product Datasheet

Technical Data

Formula	$C_{53}H_{90}O_{22}$					
Molecular Weight	1079.27	**CAS No.**	68406-26-8			
Solubility (25°C)*	In vitro	DMSO	100 mg/mL (92.65 mM)			
	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

Volume / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	0.9266 mL	4.6328 mL	9.2655 mL
5 mM	0.1853 mL	0.9266 mL	1.8531 mL
10 mM	0.0927 mL	0.4633 mL	0.9266 mL
50 mM	0.0185 mL	0.0927 mL	0.1853 mL

Biological Activity

Description

Ginsenoside Rb3, extracted from the plant Panax ginseng, plays important roles in cardiovascular diseases, including myocardial ischemia-reperfusion (I/R) injury. This compound (0.1-10 μM) is tested for inhibition of tumor necrosis factor-α (TNF)-induced **nuclear factor kappa-light-chain-enhancer of activated B cells (NF-κB)** luciferase reporter activity using a human kidney 293T cell-based assay. It shows the significant activity with an IC50 of 8.2 μM. This chemical also inhibits the induction of **cyclooxygenase-2 (COX-2)** and **inducible nitric oxide synthase (iNOS)** messenger Ribonucleic acid (mRNA) in a dose-dependent manner after HepG2 cells have been treated with TNF-α (10 ng/mL).

Targets

COX-2 [1]	iNOS [1]	NF-κB [1] (human kidney 293T cell-based assay)
		8.2 μM

References

https://pubmed.ncbi.nlm.nih.gov/25210319/

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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