Product Datasheet

Technical Data

Formula	$C_{22}H_{28}O_{11}$					
Molecular Weight	468.45	**CAS No.**	80681-45-4			
Solubility (25°C)*	In vitro	DMSO	94 mg/mL (200.66 mM)			
		Water	94 mg/mL (200.66 mM)			
		Ethanol	94 mg/mL (200.66 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

Concentration \ Volume \ Mass	1 mg	5 mg	10 mg
1 mM	2.1347 mL	10.6735 mL	21.3470 mL
5 mM	0.4269 mL	2.1347 mL	4.2694 mL
10 mM	0.2135 mL	1.0673 mL	2.1347 mL
50 mM	0.0427 mL	0.2135 mL	0.4269 mL

Biological Activity

Description	Prim-O-glucosylcimifugin (Cimifugin beta-D-glucopyranoside, Cimifugin 7-glucoside) is a major constituent in Radix Saposhnikovia that has been long used for the treatment of pyrexia, rheumatism, and cancer in traditional Chinese medicine. It shows potential anticancer activity. Prim-O-glucosylcimifugin downregulates the mRNA and protein expression inducible **NO synthase (iNOS)** and **cyclooxygenase 2 (COX-2)** in LPS-activated RAW 264.7 macrophages in a concentration-dependent manner.

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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