Mulberroside A

Catalog No.C13925 Batch:C1392503

Product Datasheet

Technical Data

Formula	$C_{26}H_{32}O_{14}$					
Molecular Weight	568.52	**CAS No.**	102841-42-9			
Solubility (25°C)*	In vitro	DMSO	100 mg/mL (175.89 mM)			
		Water	3 mg/mL (5.27 mM)			
		Ethanol	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	1.7590 mL	8.7948 mL	17.5895 mL
5 mM	0.3518 mL	1.7590 mL	3.5179 mL
10 mM	0.1759 mL	0.8795 mL	1.7590 mL
50 mM	0.0352 mL	0.1759 mL	0.3518 mL

Biological Activity

Description	Mulberroside A, isolated from the ethanol extract of Morus alba roots, is widely employed as an active ingredient in cosmetic products due to its anti-tyrosinase and anti-oxidant activities. This compound decreases the expressions of **TNF-α**, **IL-1β** and **IL-6** and inhibits the activation of **NALP3**, **caspase-1** and **NF-κB** and the phosphorylation of **ERK**, **JNK** and **p38**.
Targets	TNF-α [1] | IL-1β [1] | IL-6 [1] | NALP3 [1] | Caspase-1 [1] | View More →
In vitro	但其中"Mulberroside A"重复出现了很多次。我希望只保留它第一次出现的地方，其他出现的地方改为用代词或类似this compound/this chemical（需要注意这个东西是不是chemical）的词替换，注意保持语义语法正确。一般来说，紧跟在this compound后面的小括号内的词是它的别名，也需要整个替换掉。其他地方不要修改。只返回给我修改后的段落，不加任何话语。
In vivo	但其中"Mulberroside A"重复出现了很多次。我希望只保留它第一次出现的地方，其他出现的地方改为用代词或类似this compound/this chemical（需要注意这个东西是不是chemical）的词替换，注意保持语义语法正确。一般来说，紧跟在this compound后面的小括号内的词是它的别名，也需要整个替换掉。其他地方不要修改。只返回给我修改后的段落，不加任何话语。

References

https://pubmed.ncbi.nlm.nih.gov/24687774/

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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