

## Coptisine sulfate

## Chemical Properties

CAS No. : 1198398-71-8

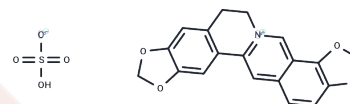
Formula: C<sub>19</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>.HO<sub>4</sub>S

Molecular Weight: 417.39

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	1. Coptisine sulfate has growth inhibitory activity against human cancer cell line in the NCI's anticancer drug screening program.
Targets(IC50)	IDO, Indoleamine 2,3-Dioxygenase (IDO)

## Solubility Information

Solubility	DMSO: Slightly soluble, Ethanol: Soluble, Pyridine, Methanol, etc.: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3958 mL	11.9792 mL	23.9584 mL
5 mM	0.4792 mL	2.3958 mL	4.7917 mL
10 mM	0.2396 mL	1.1979 mL	2.3958 mL
50 mM	0.0479 mL	0.2396 mL	0.4792 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

Qu Q, Qu J, Han L, et al. Inhibitory effects of phytochemicals on metabolic capabilities of CYP2D6\*1 and CYP2D6\*10 using cell-based models in vitro[J]. Acta Pharmacologica Sinica, 2014, 35(5):685-696.

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