
Product Data Sheet

Product Name: Coptisine Sulfate

Cat. No.: GN10609

Chemical Properties

Cas. No. 1198398-71-8

SMILES O=S(O[O-])=O.C1(OCO2)=C2C=C(C(C=C(C=CC3=C4OCO3)C4=C5)=[N+]5CC6)C6=C1Formula $C_{19}H_{14}NO_4 \cdot HO_4S$

M.Wt 372.09

Solubility DMSO : 1 mg/mL (2.40 mM; ultrasonic and warming and heat to 60°C)

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Coptisine Sulfate is an alkaloid from Chinese goldthread, and acts as an efficient uncompetitive IDO inhibitor with a K_i value of 5.8 μ M and an IC_{50} value of 6.3 μ M[1].

References:

[1]. Yu D, et al. The IDO inhibitor coptisine ameliorates cognitive impairment in a mouse model of Alzheimer's disease. J Alzheimers Dis. 2015;43(1):291-302.

Caution: Product has not been fully validated for medical applications. For research use only.

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