
Product Data Sheet

Product Name: Sinomenine N-oxide

Cat. No.: GC69892

Chemical Properties

Cas. No. 1000026-77-6

Formula C₁₉H₂₃NO₅ M.Wt 345.39

Solubility Storage Store at -20°C

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**

Sinomenine N-oxide has anti-angiogenic, anti-inflammatory and anti-rheumatic effects. Sinomenine N-oxide is also a NO production inhibitor, with an IC₅₀ value of 23.04 μM^{[1][2][3]}.

Sinomenine N-oxide (10-200 μM, 2 h) □□ LPS □□□ Raw264.7 □□□□ IL-6 □ TNF-α □□^[3]□

[1]. Liu WJ, et al. Network pharmacology approach to elucidate possible action mechanisms of Sinomenii Caulis for treating osteoporosis. J Ethnopharmacol. 2020 Jul 15;257:112871.

[2]. Zeng HL, et al. New N-oxide alkaloids from the stems of Sinomenium acutum. Fitoterapia. 2023 Mar;165:105404.

[3]. Li Q, et al. Metabolic mechanism and anti-inflammation effects of sinomenine and its major metabolites N-demethylsinomenine and sinomenine-N-oxide. Life Sci. 2020 Nov 15;261:118433.

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

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