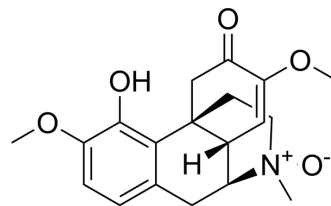


## Sinomenine N-oxide

Cat. No.:	HY-151241
CAS No.:	1000026-77-6
Molecular Formula:	C <sub>19</sub> H <sub>23</sub> NO <sub>5</sub>
Molecular Weight:	345.39
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Sinomenine N-oxide has anti-angiogenic, anti-inflammatory and anti-rheumatic effects. Sinomenine N-oxide is also a NO production inhibitor, with an IC <sub>50</sub> value of 23.04 μM <sup>[1][2][3]</sup> .
<b>In Vitro</b>	Sinomenine N-oxide (10-200 μM, 2 h) inhibits both IL-6 and TNF-α levels in LPS-induced Raw264.7 cells <sup>[3]</sup> MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [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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