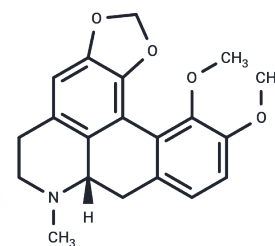


## O-Methylbulbocapnine

## Chemical Properties

CAS No. :	2490-83-7
Formula:	C <sub>20</sub> H <sub>21</sub> NO <sub>4</sub>
Molecular Weight:	339.39
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	O-Methylbulbocapnine and Dicentrine Suppress LPS-Induced Inflammatory Response by Blocking NF-kappaB and AP-1 Activation through Inhibiting MAPKs and Akt Signaling in RAW264.7 Macrophages. O-Methylbulbocapnine and Dicentrine are studied in RAW264.7 macrophage inflammatory models where O-Methylbulbocapnine and Dicentrine modulate LPS-induced signaling cascades. O-Methylbulbocapnine and Dicentrine are used in mechanistic research investigating NF-kappaB, AP-1, MAPK, and Akt pathway regulation in innate immune response signaling systems.
Targets(IC50)	NF-kB,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9465 mL	14.7323 mL	29.4646 mL
5 mM	0.5893 mL	2.9465 mL	5.8929 mL
10 mM	0.2946 mL	1.4732 mL	2.9465 mL
50 mM	0.0589 mL	0.2946 mL	0.5893 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

Anti-Invasion Effect of Crebanine and O-methylbulbocapnine from *Stephania venosa* via Down-Regulated MMPs and uPA. | Request PDF. ResearchGate [Internet]. [cited 2026 Jun 4]. Available from: [https://www.researchgate.net/publication/256200401\\_Anti-Invasion\\_Effect\\_of\\_Crebanine\\_and\\_O-methylbulbocapnine\\_from\\_Stephania\\_venosa\\_via\\_Down-Regulated\\_MMPs\\_and\\_uPA](https://www.researchgate.net/publication/256200401_Anti-Invasion_Effect_of_Crebanine_and_O-methylbulbocapnine_from_Stephania_venosa_via_Down-Regulated_MMPs_and_uPA)

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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