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Product Information

Product ID M0278 CAS No. 519-02-8

Chemical Name Matridin-15-one

Synonym Sophocarpidine

Formula C₁₅H₂₄N₂O Formula Wt. 248.37 Melting Point 87°C Purity ≥98%

Solubility Soluble in water, benzene,

chloroform, ether, and carbon disulfide.

Store Temp 4°C

Ship Temp Ambient

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
M0278	25 mg	\$71.70
M0278	100 mg	\$115.80
M0278	500 mg	\$330.80
M0278	1 g	\$496.10

Description Matrine is an alkaloid found in Sophora that exhibits anticancer chemotherapeutic, antinociceptive, anti-inflammatory, neuroprotective, anti-fibrotic, and antiepileptic/anticonvulsant activities. Matrine increases levels of Bax and decreases levels of Bcl-2 and VEGF-A in non-small cell lung cancer (NSCLC) and hepatoma cells, inducing apoptosis and inhibiting cell growth. Matrine also inhibits growth of hepatocellular carcinoma tumors in animal models. In animal models of chemical and thermal pain (writhing and tail flick tests), matrine decreases pain response in a κ -opioid receptor (κ OR)- and μ -opioid receptor (μ OR)dependent manner. Additionally, matrine downregulates levels of glutamate and upregulates levels of GABA, regulating glutamate signaling and inhibiting inflammation and demyelination in animal models of experimental autoimmune encephalitis (EAE) and decreasing seizures in separate animal models. Matrine also inhibits JAK/STAT signaling, decreasing pulmonary fibrosis in vivo. TEST!!!!!!

References Kan QC, Zhang S, Xu YM, et al. Matrine regulates glutamate-related excitotoxic factors in experimental autoimmune encephalomyelitis. Neurosci Lett. 2014 Feb 7;560:92-7. PMID: 24368216.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.