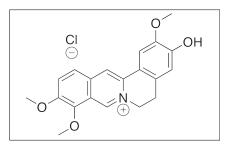


Product ID J0379 CAS No. 6681-15-8 Chemical Name

Synonym

Formula C₂₀H₂₀NO₄ Cl Formula Wt. 373.83 Melting Point Purity ≥95% Solubility Methanol (Slightly, Heated) Phone: 888-558-5227 651-644-8424 Fax: 888-558-7329 Email: getinfo@lktlabs.com Web: lktlabs.com

Product Information



Bulk quanitites available upon request

Product ID	Size
J0379	1 mg
J0379	5 mg

Store Temp 4°C

Ship Temp Ambient

Description Jatrorrhizine is an alkaloid compound originally found in *Corydalis* and *Coptydis* tubers that exhibits anticancer, neuroprotective, anti-parasitic, antioxidative, and gastrointestinal modulatory activities. Jatrorrhizine increases expression of p21 and p27, inducing G0/G1 phase cell cycle arrest and inhibiting proliferation in melanoma cells. In neurons, jatrorrhizine suppresses amyloid-8 (AB)-induced increases in caspase 3 activation and cytochrome c release, preventing neurotoxicity. Jatrorrhizine also displays anti-parasitic benefit against *Plasmodium, Leishmania*, and *Trypanosoma*. In neurons, this compound inhibits H202-induced decreases in superoxide dismutase (SOD) and heme oxygenase 1 (HO-1) and increases in lactate dehydrogenase (LDH), malondialdehyde (MDA), and ROS. Jatrorrhizine increases gastric emptying and intestinal transit speeds in animal models of postoperative ileus. Additionally, jatrorrhizine inhibits acetylcholinesterase (AChE).

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