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Product Information

Product ID D3430 CAS No. 3606-45-9

Chemical Name

Synonym Dihydro sanguinarine

Formula C₂₀H₁₅NO₄ Formula Wt. 333.34

Melting Point

Purity ≥98%

Solubility 10mM in DMSO

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
D3430	1 mg	\$63.60
D3430	5 mg	\$155.00
D3430	25 mg	\$583.50

Store Temp 4°C Ship Temp Ambient

Description Dihydrosanguinarine (DHS) is a benzophenanthridine alkaloid that is a metabolite of sanguinarine. This compound exhibits a wide variety of antimicrobial activities (anti-parasitic, antifungal, and antibacterial) as well as anticancer and antiinflammatory properties. DHS is active against Leishmania, Botrytis, Erysiphe, Candida, and various gram positive and gram negative bacteria including MRSA. In leukemia cells, DHS induces dissipation of the mitochondrial membrane potential, resulting in apoptosis and necrosis. DHS also binds DNA sequences containing alternating G and C base pairs. In vitro, DHS also inhibits LPS-induced production of NO and IL-6 and inhibits phosphorylation of ERK1/2 and p38.

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