

 Phone:
 888-558-5227

 651-644-8424

 Fax:
 888-558-7329

 Email:
 getinfo@lktlabs.com

 Web:
 lktlabs.com

## **Product Information**

Product ID C1718

CAS No. 481-49-2

Chemical Name 6',12'-Dimethoxy-2,2'-dimethyl-6,7-[methylenebis- (oxy)] oxyacanthan

Synonym Cepharanthin, O-Methylcepharanoline

Formula C<sub>37</sub>H<sub>38</sub>N<sub>2</sub>O<sub>6</sub> Formula Wt. 606.71 Melting Point 145-155°C Purity ≥95%

Solubility Soluble in organic solvents except petr ether.



## Bulk quanitites available upon request

Product ID	Size
C1718	100 mg
C1718	500 mg
C1718	1 g

Store Temp -20°C

Ship Temp Ambient

**Description** Cepharanthine is an alkaloid found in *Stephania* that exhibits anti-parasitic, antimalarial, antiviral, anti-inflammatory, antimetastatic, and anticancer chemotherapeutic activities. Cepharanthine inhibits the development of *Plasmodium* in vitro and inhibits cell fusion and entry of HIV-1 by decreasing plasma membrane fluidity. Additionally, cepharanthine decreases LPSstimulated expression of TNF-α, IL-6, and IL-18 in macrophages and prevents the activation of NF-κB, ERK, JNK, and p38 MAPK; in animal models of lung injury, it decreases inflammation. This compound also inhibits cell and tumor growth, induces G1 phase cell cycle arrest and apoptosis, and decreases expression of STAT3, Bcl-xl, c-Myc, and cyclin D1 in osteosarcoma models. In models of cholangiocarcinoma, cepharanthine inhibits cell migration and tumor growth.

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