LKT Laboratories, Inc.

Hypericin

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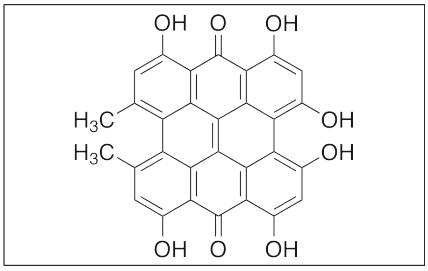
Product Information

Product ID H9861
CAS No. 548-04-9
Chemical Name 1,3,4,6,8,13-Hexahydroxy-10,11-dimethylphenanthro- [1,10,9,8-opqra]perylene-7,14-dione

Synonym Hypericum red



Formula $C_{30}H_{16}O_8$
Formula Wt. 504.44
Melting Point 320°C(dec)
Purity ≥98%
Solubility Soluble in DMSO, organic bases or alkaline aqueous solutions. UPLC solvent:DMF:MeOH(1:2), 0.5 mg/mL

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
H9861	1 mg	$135.10
H9861	5 mg	$293.20
H9861	25 mg	$676.10

Store Temp 4°C
Ship Temp Blue Ice

Description Hypericin is a naphthodianthrone found in *Hypericum*; it exhibits antibiotic, antiviral, analgesic, neuromodulatory, and anticancer activities. Hypericin inhibits dopamine ß-hydroxylase and proteasome activity. Hypericin also decreases activity of N-type and P/Q-type voltage-gated Ca2+ channels, decreasing release of glutamate. In animal models of chronic constructive injury, hypericin decreases activation of PKC and neuropathic pain. In epidermoid carcinoma cells, hypericin induces apoptosis and cell death when stimulated with UV light.

References

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Berlanda J, Kiesslich T, Oberdanner CB, et al. Characterization of apoptosis induced by photodynamic treatment with hypericin in A431 human epidermoid carcinoma cells. J Environ Pathol Toxicol Oncol. 2006;25(1-2):173-88. PMID: 16566716.

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