



LKT Laboratories, Inc.

Hyperforin Dicyclohexylammonium

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Product Information

Product ID H9863

CAS No. 238074-03-8

Chemical Name

Synonym Hyperforin DCHA

Formula $C_{35}H_{52}O_4 \cdot C_{12}H_{23}N$

Formula Wt. 718.10

Melting Point

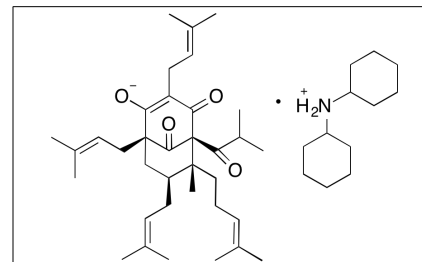
Purity $\geq 97\%$

Solubility Soluble in DMSO (≥ 10 mg/ml), methanol, and 100% ethanol

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Hyperforin DCHA is a stable salt form of hyperforin, a compound found in *Hypericum perforatum* (St. John's Wort). Hyperforin DCHA exhibits anticancer, anti-inflammatory, and antidepressant activities. In chronic myelogenous leukemia (CML) cells, hyperforin DCHA disrupts the mitochondrial membrane potential, increases release of cytochrome c, activates caspases 3, 8, and 9, and induces cleavage of poly(ADP)-ribose polymerase (PARP), resulting in G1 phase cell cycle arrest and apoptosis. In astrocytoma cells, hyperforin DCHA prevents LPS- and substance P-induced release of IL-6. In animal models, this compound prevents croton oil-induced edema. Additionally, hyperforin DCHA decreases immobility time in animals undergoing the forced swim test.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
H9863	500 μ g	\$224.70
H9863	1 mg	\$367.90

References Liu JY, Liu Z, Wang DM, et al. Induction of apoptosis in K562 cells by dicyclohexylammonium salt of hyperforin through a mitochondrial-related pathway. *Chem Biol Interact.* 2011 Apr 25;190(2-3):91-101. PMID: 21376709.

Sosa S, Pace R, Bornancin A, et al. Topical anti-inflammatory activity of extracts and compounds from *Hypericum perforatum* L. *J Pharm Pharmacol.* 2007 May;59(5):703-9. PMID: 17524236.

Gobbi M, Moia M, Funicello M, et al. In vitro effects of the dicyclohexylammonium salt of hyperforin on interleukin-6 release in different experimental models. *Planta Med.* 2004 Jul;70(7):680-2. PMID: 15303261.

Cervo L, Rozio M, Ekalle-Soppo CB, et al. Role of hyperforin in the antidepressant-like activity of *Hypericum perforatum* extracts. *Psychopharmacology (Berl).* 2002 Dec;164(4):423-8. PMID: 12457273.

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