



LKT Laboratories, Inc.

5,6-Dehydrokawain

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Product Information

Product ID D1628

CAS No. 1952-41-6

Chemical Name

Synonym

Formula $C_{14}H_{12}O_3$

Formula Wt. 228.25

Melting Point 138-140°C

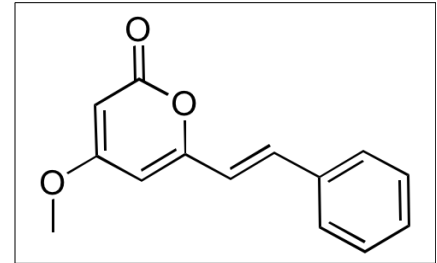
Purity $\geq 98\%$

Solubility

Store Temp -20°C

Ship Temp Ambient

Description 5,6-Dehydrokawain is a kavalactone originally found in *Piper methysticum* (kava plant) and *Alpinia* that exhibits neuroprotective and antithrombotic activities. 5,6-Dehydrokawain inhibits aggregation and ATP release of platelets as well as formation of thromboxane B2 (TxB2). Additionally, this compound prevents H2O2-induced toxicity, decreasing release of lactate dehydrogenase, activation of caspase 3, and oxidative stress in neurons.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D1628	1 mg	\$108.00
D1628	5 mg	\$205.70
D1628	10 mg	\$317.80

References Rao YK, Shih HN, Lee YC, et al. Purification of kavalactones from *Alpinia zerumbet* and their protective actions against hydrogen peroxide-induced cytotoxicity in PC12 cells. *J Biosci Bioeng.* 2014 Jun 11. [Epub ahead of print]. PMID: 24929995.

Teng CM, Hsu SY, Lin CH, et al. Antiplatelet action of dehydrokawain derivatives isolated from *Alpinia speciosa* rhizoma. *Chin J Physiol.* 1990;33(1):41-8. PMID: 2376215.

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