



Product Information

CAS Registry No. 6080-33-7

Product Name: Sinomenine Hydrochloride

Catalog No. S3353

Chemical Name: (9 α ,13 α ,14 α)-7,8-Didehydro-4-hydroxy-3,7-dimethoxy-17-methylmorphinan-6-one hydrochloride

Synonym(s):

Mol. formula: C₁₉H₂₃NO₄·HCl

Formula wt: 365.86

M.p. 229°C-235°C

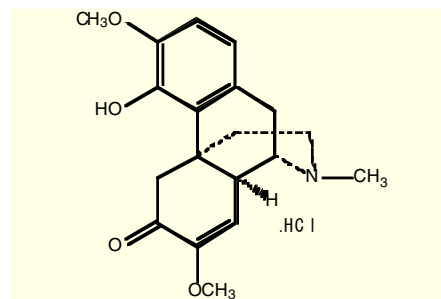
B.p.

Purity: ≥98%

Solubility: Soluble in chloroform, ethanol, acetone or toluene.

Stability (in original shipping container):

Storage temp: -20deg C



Product Description:

Sinomenine is an alkaloid isolated from the Chinese medicinal plant *Sinomenium acutum*. It has immunomodulating and anti-inflammatory activities. Its anti-arthritis property is related to the antiproliferative effects on synovial fibroblasts² and lymphocytes. Other anti-rheumatic mechanisms are attributed to its ability to decrease PGE₂ and leukotrien³ synthesis and inhibit NO production⁴. It also prevents myocardial injury by lowering intracellular Ca²⁺ accumulation.

References:

- Viergege, B., Resch, K., Kaever, V. *Planta Med.* 65:80-82 (1999).
 Liu, L., Buchner, E., Beitz, D., et al. *Int. J. Immunopharmacol.* 18:529-43 (1996).
 Candinas, D., Mark, W., Kaever, V., et al. *Trans.* 62:1855-1860 (1996).
 Liu, L., Riese, J., Resch, K., Kaever, V. *Arzneimittelforschung.* 44:1223-1226 (1994).
 Liu, L., Resch, K., Kaever, V. *Int. J. Immunopharmacol.* 16:685-691 (1994).

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

PRICING

10 g

25 g

50 g

Bulk quantity available upon request

LKT Laboratories, Inc.

Address: 2233 University Ave. W
 St Paul, MN 55114
 USA

Phone: 888-LKT-Labs (558-5227)

651-644-8424

Fax: 651-644-8357

Email: info@lktlabs.com

Web: www.lktlabs.com