
Product Data Sheet

Product Name: (±)-Stylophine hydrochloride

Cat. No.: GC67928

Chemical Properties

Cas. No. 96087-21-7

Formula C₁₉H₁₈ClNO₄

M.Wt 359.8

Solubility DMSO : 2 mg/mL (5.56 mM; Need ultrasonic); H₂O : < 0.1 mg/mL (insoluble)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure (±)-Stylophine hydrochloride

Background

(±)-Stylophine (Tetrahydrocoptisine) hydrochloride is an alkaloid compound originally isolated from *Corydalis* tubers that exhibits anti-inflammatory and anti-parasitic activities^{[1][2]}.

[1]. Li W, et al. Anti-inflammatory effect of tetrahydrocoptisine from *Corydalis impatiens* is a function of possible inhibition of TNF- α , IL-6 and NO production in lipopolysaccharide-stimulated peritoneal macrophages through inhibiting NF- κ B activation and MAP

[2]. Li W, et al. Protective effect of tetrahydrocoptisine against ethanol-induced gastric ulcer in mice. *Toxicol Appl Pharmacol.* 2013 Oct 1;272(1):21-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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