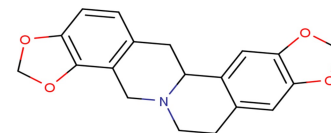


(-)-STYLOPINE

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 4312-32-7 |
| Formula: | C ₁₉ H ₁₇ NO ₄ |
| Molecular Weight: | 323.35 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|---|
| Description | (-)-STYLOPINE is a natural product from <i>Chelidonium majus</i> L |
| Targets(IC ₅₀) | COX-2,iNOS: None |
| In vitro | Stylopine per se concentration-dependently reduced nitric oxide (NO), prostaglandin E2 (PGE2), tumor necrosis factor- α (TNF- α) and interleukin-1 β (IL-1 β), and the IL-6 production and cyclooxygenase-2 (COX-2) activity caused by the LPS stimulation. The levels of inducible nitric oxide synthase (iNOS) and COX-2 protein expressions were markedly suppressed by stylopine in a concentration dependent manner. These results suggest that stylopine suppress the NO and PGE2 production in macrophages by inhibiting the iNOS and COX-2 expressions. These biological activities of stylopine may contribute to the anti-inflammatory activity of <i>Chelidonium majus</i> . |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 3.093 mL | 15.463 mL | 30.926 mL |
| 5 mM | 0.619 mL | 3.093 mL | 6.185 mL |
| 10 mM | 0.309 mL | 1.546 mL | 3.093 mL |
| 50 mM | 0.062 mL | 0.309 mL | 0.619 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Jang S, Kim B H, Lee W Y, et al. Stylopine from *Chelidonium majus* inhibits LPS-Induced inflammatory mediators in RAW 264.7 cells[J]. Archives of Pharmacal Research, 2004, 27(9):923-929.
- Jang S, Kim B H, Lee W Y, et al. Stylopine from *Chelidonium majus* inhibits LPS-Induced inflammatory mediators in RAW 264.7 cells[J]. Archives of Pharmacal Research, 2004, 27(9):923-929.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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