
Product Data Sheet

Product Name: Hamaudol
Cat. No.: GC38616

Chemical Properties

Cas. No. 735-46-6

SMILES OC1=C2C(OC(C)(C)[C@@H](O)C2)=CC3=C1C(C=C(C)O3)=O

Formula $C_{15}H_{16}O_5$ M.Wt 276.28

Solubility Soluble in DMSO 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

Background

Hamaudol is a chromone isolated from *Saposhnikovia divaricata*. Hamaudol shows significant inhibitory activity on cyclooxygenase (COX)-1 and COX-2 activities with IC₅₀ values of 0.30, 0.57 mM, respectively, and has potent analgesia and anti-inflammatory effects[1][2].

Hamaudol (Compound 7) increases the potency to exhibit a potent analgesia at doses of 1, 5 and 10 mg/kg in mice, although it does not show clear dose dependency[1].

[1]. Okuyama E, et al. Analgesic components of *saposhnikovia* root (*Saposhnikovia divaricata*). *Chem Pharm Bull (Tokyo)*. 2001 Feb;49(2):154-60. [2]. Mingshan Zheng, et al. The Constituents Isolated from *Peucedanum japonicum* Thunb. and their Cyclooxygenase (COX) Inhibitory Activity. *Korean Journal of Medicinal Crop Science*, 2005, 13(2).

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

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