

Product Data Sheet

Product Name: Demethylwedelolactone

Cat. No.: GC38576

Chemical Properties

Cas. No. 6468-55-9

SMILES O=C1C2=C(OC3=CC(O)=C(O)C=C32)C4=C(O)C=C(O)C=C4O1

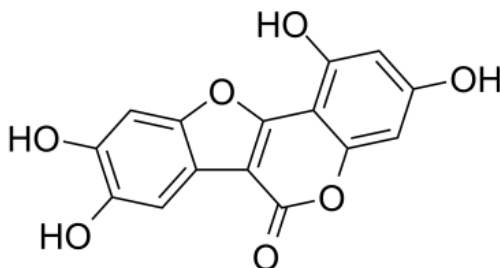
Formula $C_{15}H_8O_7$ M.Wt 300.22

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS (pH 7.2) (1:1): 0.5 mg/ml, Ethanol: 20 mg/ml
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

Demethylwedelolactone is a naturally occurring coumestan isolated from *Eclipta alba*.

Demethylwedelolactone is a potent trypsin inhibitor with an IC₅₀ of 3.0 μM. Demethylwedelolactone suppresses cell motility and cell invasion of breast cancer cell[1][2].

[1]. Syed SD, et al. Trypsin inhibitory effect of wedelolactone and demethylwedelolactone. *Phytother*

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

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Res. 2003 Apr;17(4):420-1. [2]. Lee YJ, et al. Demethylwedelolactone derivatives inhibit invasive growth in vitro and lung metastasis of MDA-MB-231 breast cancer cells in nude mice. Eur J Med Chem. 2012 Oct;56:361-7.

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