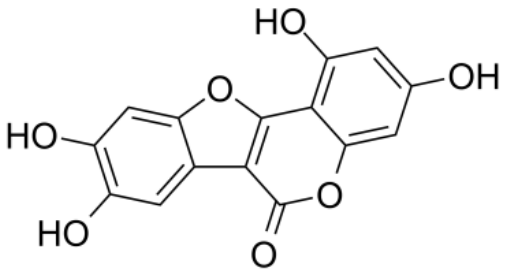
Product Data Sheet

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

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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.

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