

## Product Data Sheet

Product Name: Demethylwedelolactone

Cat. No.: GC43407

### Chemical Properties

Cas. No. 6468-55-9

SMILES OC1=CC2=C(OC(C(C(O)=CC(O)=C3)=C3O4)=C2C4=O)C=C1O

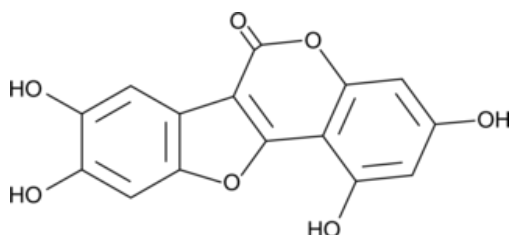
Formula C<sub>15</sub>H<sub>8</sub>O<sub>7</sub> M.Wt 300.2

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 (DWL) is a coumestan, originally isolated from *E. alba*, with diverse biological activities. It reduces cytotoxicity induced by CCL<sub>4</sub> and galactosamine in rat hepatocytes in a dose-dependent manner. DWL inhibits trypsin with an IC<sub>50</sub> value of 3.0 µg/ml in vitro. It is the major constituent in purified butanolic extracts of *E. prostrata* which inhibit lethal and hemorrhagic activities of *C. rhodostoma* venom. DWL also inhibits anchorage-independent cell growth of MDA-MB-231 breast cancer cells and decreases the number of lung metastases in an MDA-MB-231 xenograft model in nude mice.

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

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