

## Product Data Sheet

Product Name: Palbinone

Cat. No.: GC34701

### Chemical Properties

Cas. No. 139954-00-0

SMILES C[C@]1([C@@]2(C3=O)C)[C@@](C=CC2=C(O)C3=O)([H])[C@@]4([C@@](C(C)([C@@H](O)CC4)C)([H])CC1)C

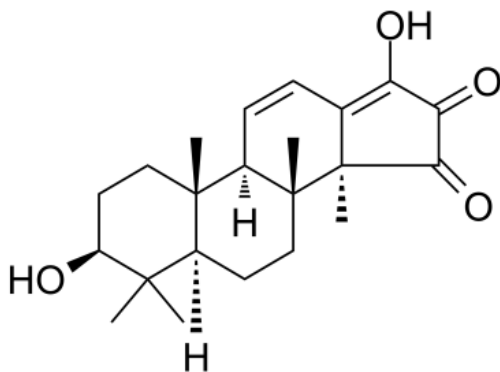
Formula  $C_{22}H_{30}O_4$  M.Wt 358.47

Solubility Soluble in DMSO Storage 4°C, protect from light

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

Palbinone is a terpenoid isolated from the roots of *Paeonia albiflora* Pallas, potentially inhibits 3α-

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

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hydroxysteroid dehydrogenase ( $3\alpha$ -HSD), with an IC<sub>50</sub> of 46 nM. Anti-inflammatory activity[1]. IC<sub>50</sub>: 46 nM ( $3\alpha$ -HSD)[1]

[1]. Kadota S, et al. Palbinone, a novel terpenoid from *Paeonia albiflora*; potent inhibitory activity on  $3\alpha$ -hydroxysteroid dehydrogenase. *Chem Pharm Bull (Tokyo)*. 1993 Mar;41(3):487-90.

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