
Product Data Sheet

Product Name: Eurycomalactone

Cat. No.: GC38548

Chemical Properties

Cas. No. 23062-24-0

SMILES C[C@]12[C@@]([C@H]([C@@](O3)([H])[C@@](C)([H])[C@]2([H])C3=O)O)([H])[C@]([C@@](C(C)=CC4=O)([H])CC1=O)([C@@H]4O)C

Formula C₁₉H₂₄O₆

M.Wt 348.39

Solubility DMSO : 100 mg/mL (287.03 mM; Need ultrasonic)

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**

Eurycomalactone is a natural product found in *Eurycoma longifolia* Jack., acts as a potent NF-κB inhibitor, with an IC₅₀ of 0.5 μM. Eurycomalactone inhibits protein synthesis, depletes cyclin D1, but does not affect TNFα-induced degradation of IκBα or the phosphorylation of IKKα/β and IκBα[1].

[1]. Malainer C, et al. Eurycomalactone Inhibits Expression of Endothelial Adhesion Molecules at a Post-Transcriptional Level. *J Nat Prod.* 2017 Dec 22;80(12):3186-3193.

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

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