

Product Data Sheet

Product Name: Zerumbone

Cat. No.: GC40902

Chemical Properties

Cas. No. 471-05-6

SMILES CC1(C)C/C=C(C)/CC/C=C(C)\C(/C=C/1)=O

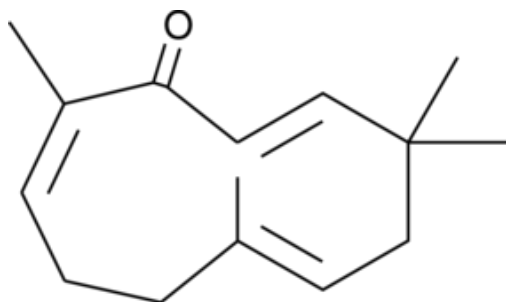
Formula C₁₅H₂₂O M.Wt 218.3

Solubility DMSO : ≥ 125 mg/mL (572.53 mM) 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

Zerumbone is a natural monocyclic sesquiterpene first isolated from rhizomes of the wild ginger *Z. zerumbet*. It potently inhibits the activation of Epstein-Barr virus by phorbol esters (IC₅₀ = 140 nM). Zerumbone inhibits Sonic hedgehog signaling and induces apoptosis in cancer cell lines. It has also been shown to have anti-oxidant and anti-inflammatory activities, contributing to immunomodulatory and hepatoprotective effects.

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

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