
Product Data Sheet

Product Name: Atractylone

Cat. No.: GC35423

Chemical Properties

Cas. No. 6989-21-5

SMILES C=C1[C@]2([H])CC3=C(C[C@@]2(C)CCC1)OC=C3CFormula C₁₅H₂₀O

M.Wt 216.32

Solubility DMSO : 100 mg/mL (462.28 mM; Need ultrasonic) 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**

Atractylone (Atractylon) is a sesquiterpenoid extracted from Atractylodis Rhizoma. Atractylone (Atractylon) alleviates influenza A virus (IAV)-induced lung injury via regulating the TLR7 signaling pathway, and acts as a promising agent for IAV treatment. Atractylone (Atractylon) inhibits the degranulation of mast cell and exhibits potential for the treatment of mast cell-mediated allergic reactions[1][2].

[1]. Cheng Y, et al. Antiviral activities of atractylon from Atractylodis Rhizoma. Mol Med Rep. 2016 Oct;14(4):3704-10. [2]. Han NR, et al. Inhibitory effects of atractylone on mast cell-mediated allergic reactions. Chem Biol Interact. 2016 Oct 25;258:59-68.

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

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