
Product Data Sheet

Product Name: 8-Epidiosbulbin E acetate

Cat. No.: GC35200

Chemical Properties

Cas. No. 91095-48-6

SMILES CC(O[C@@H]1[C@@]([C@@](C(O2)=O)([H])C[C@@]2([H])C3)([H])[C@]3([H])[C@](C)(C[C@@H](C4=COC=C4)O5)[C@@](C5=O)([H])C1)=OFormula C₂₁H₂₄O₇

M.Wt 388.41

Solubility DMSO : 100 mg/mL (257.46 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**

8-Epidiosbulbin E acetate, a furanoid, is abundant in *Dioscorea bulbifera* L.. 8-Epidiosbulbin E acetate exhibits broad-spectrum plasmid-curing activity against multidrug-resistant (MDR) bacteria. 8-Epidiosbulbin E acetate induces liver injury in mice[1][2].

[1]. Shriram V, et al. A potential plasmid-curing agent, 8-epidiosbulbin E acetate, from *Dioscorea bulbifera* L. against multidrug-resistant bacteria. *Int J Antimicrob Agents*. 2008 Nov;32(5):405-10. [2]. Lin D, et al. Role of Metabolic Activation in 8-Epidiosbulbin E Acetate-Induced Liver Injury: Mechanism of Action of the Hepatotoxic Furanoid. *Chem Res Toxicol*. 2016 Mar 21;29(3):359-66.

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

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