

Product Data Sheet

Product Name: Sclerotiorin

Cat. No.: GC44879

Chemical Properties

Cas. No. 549-23-5

SMILES O=C1C2=COC(/C=C/C(C)=C/[C@@H](C)CC)=CC2=C(Cl)C([C@]1(C)OC(C)=O)=O

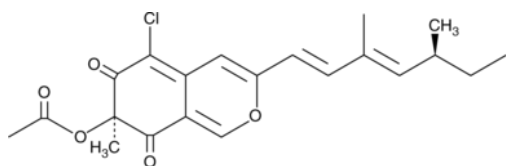
Formula C₂₁H₂₃ClO₅ M.Wt 390.9

Solubility DMF: 30 mg/ml, DMF:PBS(pH7.2) (1:2): 0.3 mg/ml, DMSO: 20 mg/ml, Ethanol: 3 mg/ml
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

Sclerotiorin is a natural product isolated primarily from *Penicillium* species. It inhibits soybean lipoxygenase-1 with an IC₅₀ value of 4.2 μM. Sclerotiorin also exhibits a number of other activities including inhibition of cholesterol ester transfer protein (IC₅₀ = 19.4 μM), inhibition of Grb2-Shc interaction (IC₅₀ = 22 μM), and antagonism of endothelin receptors (IC₅₀ = 114 and 152 μM for human ETA and ETB, respectively).

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

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