

Product Data Sheet

Product Name: Sclerotigenin

Cat. No.: GC40985

Chemical Properties

Cas. No. 65641-84-1

SMILES O=C1N2C(CNC(C3=C2C=CC=C3)=O)=NC4=CC=CC=C41

Formula C₁₆H₁₁N₃O₂

M.Wt 277.3

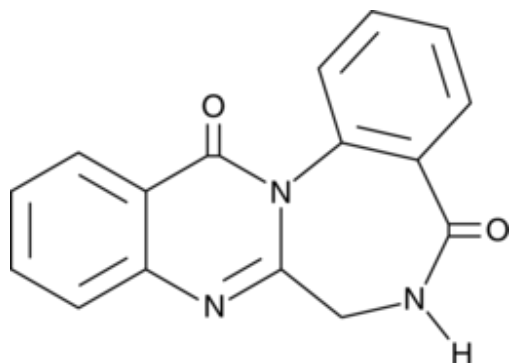
Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble

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

Sclerotigenin is a natural diazepine originally isolated from *P. sclerotigenum* that acts as an insect growth regulator. It reduces the growth rate of first instar *H. zea* larvae by 42% relative to controls when administered in the standard test diet at 200 ppm.

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

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