

Product Data Sheet

Product Name: Pachybasin

Cat. No.: GC44537

Chemical Properties

Cas. No. 2549-78-2

SMILES O=C1C2=C(C(O)=CC(C)=C2)C(C3=CC=CC=C31)=O

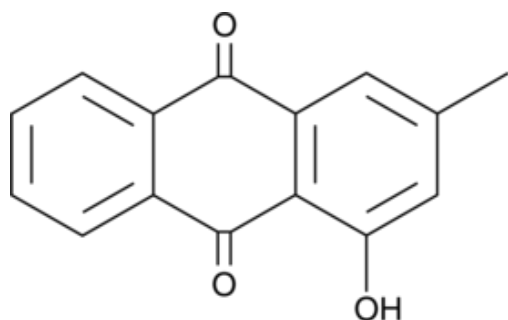
Formula C₁₅H₁₀O₃ M.Wt 238.2

Solubility Dichloromethane: soluble, DMSO: Storage Store at -20°C
soluble, Ethanol: soluble, Methanol:
soluble

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

Pachybasin is an anthraquinone fungal metabolite. It inhibits the growth of *E. coli*, *S. aureus*, *B. subtilis*, and *M. luteus* bacteria (MICs = 64, 32, 64, and 64 µg/ml, respectively) and *C. albicans*, *S. cerevisiae*, *A. niger*, *A. flavus*, and *F. oxysporum* fungi (MICs = 64, 64, 64, 64, and 16 µg/ml, respectively). It also induces germ tube malformation in *B. graminis* fungi. Pachybasin induces developmental retardation and notochord distortions and increases mortality in zebrafish embryos when used at concentrations ranging from 1 to 100 µM.

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

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