

Product Data Sheet

Product Name: Curvulinic Acid

Cat. No.: GC48921

Chemical Properties

Cas. No. 19053-94-2

SMILES O=C(CC1=C(C(C)=O)C(O)=CC(O)=C1)O

Formula C₁₀H₁₀O₅

M.Wt 210.2

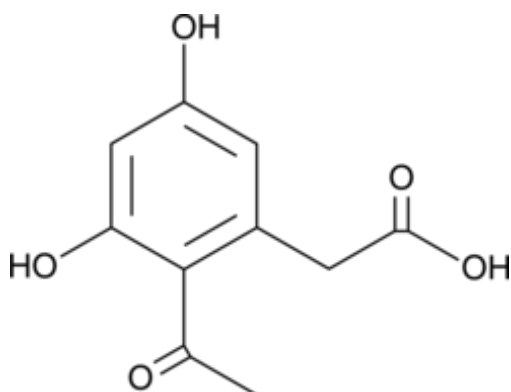
Solubility

Storage -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

Curvulinic acid is a fungal metabolite originally isolated from *C. siddiqui*.¹ It inhibits *C. bursa-pastoris* seed germination, root growth, and shoot growth by 73.3, 73.5, and 66.7%, respectively, when used at a concentration of 600 µg/ml.²

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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1.Kamal, A., Ahmad, N., Khan, M.A., et al.Studies in the biochemistry of microorganisms—I: Curvulin and curvulinic acid, metabolic products of Curvularia siddiqui Tetrahedron 18(4)433-436(1962) 2.Li, E., Yea, Y., Wang, X., et al.Herbicidal activity of curvulinic acid isolated from Nimbya alternantherae Nat. Prod. Commun.7(1)51-52(2012)

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