

Product Data Sheet

Product Name: Endothall

Cat. No.: GC47291

Chemical Properties

Cas. No. 145-73-3

SMILES OC(C1C(C(O)=O)C2CCC1O2)=O

Formula C₈H₁₀O₅

M.Wt 186.2

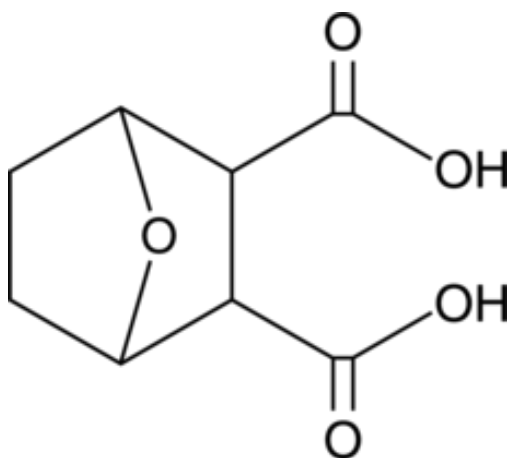
Solubility DMF: 15 mg/ml, DMSO: 15 mg/ml, Ethanol: 15 mg/ml, PBS (pH 7.2): 0.2 mg/ml

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

Endothall is an herbicide that is used to control a wide range of terrestrial and aquatic plants. It is a contact herbicide that inhibits translocation and induces the production of ethylene in some plants.^{1,2} Endothall has a half-life of approximately four days in experimental pools.³

1. Leonard, I.A., and Glenn, R.K. Translocation of assimilates and phosphate in detached bean

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

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leavesPlant Physiology43(9)1380-1388(1968) 2.Abeles, A.L., and Abeles, F.B.Biochemical pathway of stress-induced ethylenePlant Physiology50(4)496-498(1972) 3.Reinert, K.H., Rodgers, J.H., Jr., Himan, M.L., et al.Compartmentalization and persistence of endothall in experimental poolsEcotoxicology and Environmental Safety10(1)86-96(1985)

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