
Product Data Sheet

Product Name: 2,4-D Butyl ester

Cat. No.: GC60460

Chemical Properties

Cas. No. 94-80-4

SMILES O=C(OCCCC)COC1=CC=C(Cl)C=C1ClFormula $C_{12}H_{14}Cl_2O_3$ M.Wt 277.14

Solubility 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**

2,4-D Butyl ester is an organic phenoxy herbicide and used to control woody broad-leaf weeds. 2,4-D butyl ester produces its herbicidal effect by mimicking natural plant growth hormones causing plants to grow too rapidly to survive[1][2].

[1]. Schulze GE, et, al. Formulation and food deprivation affects 2,4-D neurobehavioral toxicity in rats. Neurotoxicol Teratol. Sep-Oct 1987;9(5):363-7. [2]. Xiao L, et, al. Isolation and Characterization of 2,4-D Butyl Ester Degrading Acinetobacter sp. ZX02 from a Chinese Ginger Cultivated Soil. J Agric Food Chem. 2017 Aug 30;65(34):7345-7351.

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

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