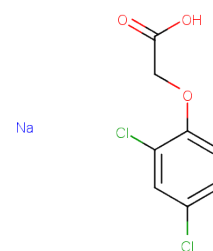


2,4-D sodium salt

Chemical Properties

CAS No. :	2702-72-9
Formula:	C ₈ H ₆ Cl ₂ NaO ₃
Molecular Weight:	244.02
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	2,4-D sodium salt (Sodium 2,4-dichlorophenoxyacetate) is a selective systemic herbicide that effectively controls broad-leaved weeds. Acting as a plant hormone, it induces uncontrolled growth in meristematic tissues. By inhibiting DNA and protein synthesis, 2,4-D sodium salt hinders regular plant growth and development.
-------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.098 mL	20.4901 mL	40.9802 mL
5 mM	0.8196 mL	4.098 mL	8.196 mL
10 mM	0.4098 mL	2.049 mL	4.098 mL
50 mM	0.082 mL	0.4098 mL	0.8196 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Germaine KJ, et al. Bacterial endophyte-enhanced phytoremediation of the organochlorine herbicide 2,4-dichlorophenoxyacetic acid. FEMS Microbiol Ecol. 2006 Aug;57(2):302-10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481