

Dinotefuran-D3

Chemical Properties

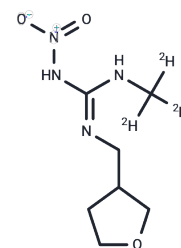
CAS No. :

Formula: C7H11D3N4O3

Molecular Weight: 205.2295

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description

Dinotefuran-D3 is a deuterated compound of Dinotefuran. Dinotefuran (T7124) has a CAS number of 165252-70-0. Dinotefuran (T7124) is an insecticide of the neonicotinoid class for control of insect pests such as aphids, whiteflies, thrips, leafhoppers, leafminers. Its mechanism of action involves disruption of the insect's nervous system by inhibiting nicotinic acetylcholine receptors.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8726 mL	24.3629 mL	48.7258 mL
5 mM	0.9745 mL	4.8726 mL	9.7452 mL
10 mM	0.4873 mL	2.4363 mL	4.8726 mL
50 mM	0.0975 mL	0.4873 mL	0.9745 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Alison C, Jean-Noël Houchat, Safa M, et al. Permethrin enhances the agonist activity of dinotefuran on insect cholinergic synaptic transmission and isolated neurons[J]. NeuroToxicology, 2018:S0161813X1830202X-.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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