

Mesotrione-D3

Chemical Properties

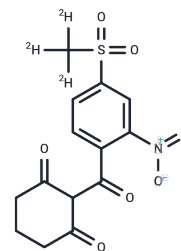
CAS No. :

Formula: C₁₄H₁₀D₃N₀O₇S

Molecular Weight: 342.34

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

Mesotrione-D3 is a deuterated compound of Mesotrione. Mesotrione (T8377) has a CAS number of 104206-82-8. Mesotrione (T8377) is a selective triketone herbicide

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9211 mL	14.6054 mL	29.2107 mL
5 mM	0.5842 mL	2.9211 mL	5.8421 mL
10 mM	0.2921 mL	1.4605 mL	2.9211 mL
50 mM	0.0584 mL	0.2921 mL	0.5842 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

- Zhongkun, Du, Yanyan, et al. Effects of the herbicide mesotrione on soil enzyme activity and microbial communities.[J]. Ecotoxicology and environmental safety, 2018.

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