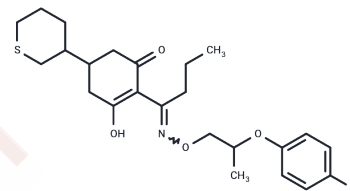


Profoxydim

Chemical Properties

CAS No. :	139001-49-3
Formula:	C ₂₄ H ₃₂ ClNO ₄ S
Molecular Weight:	466.03
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	Profoxydim, a herbicide utilized for controlling grass weeds in rice fields, features a cyclic ketone structure. This structure comprises 3-hydroxycyclohex-2-en-1-one, which at position 2, is modified by a N-[2-(4-chlorophenoxy)propoxy]butanimidoyl group and at position 5, it is substituted by a thian-3-yl group.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1458 mL	10.7289 mL	21.4578 mL
5 mM	0.4292 mL	2.1458 mL	4.2916 mL
10 mM	0.2146 mL	1.0729 mL	2.1458 mL
50 mM	0.0429 mL	0.2146 mL	0.4292 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481