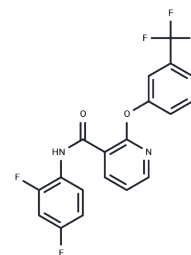


Diflufenican

Chemical Properties

CAS No. :	83164-33-4
Formula:	C ₁₉ H ₁₁ F ₅ N ₂ O ₂
Molecular Weight:	394.29
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Diflufenican (M&B 38544) increases the production of phytoene in carrot cell cultures by inducing the inhibition of phytoene desaturase gene expression.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (139.49 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5362 mL	12.681 mL	25.362 mL
5 mM	0.5072 mL	2.5362 mL	5.0724 mL
10 mM	0.2536 mL	1.2681 mL	2.5362 mL
50 mM	0.0507 mL	0.2536 mL	0.5072 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

Tejada M. Evolution of soil biological properties after addition of glyphosate, diflufenican and glyphosate+diflufenican herbicides. Chemosphere. 2009 Jul;76(3):365-73.

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