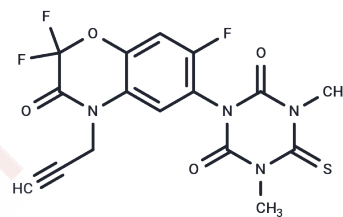


## Trifludimoxazin

## Chemical Properties

CAS No. :	1258836-72-4
Formula:	C <sub>16</sub> H <sub>11</sub> F <sub>3</sub> N <sub>4</sub> O <sub>4</sub> S
Molecular Weight:	412.34
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	Trifludimoxazin is an inhibitor of protoporphyrinogen oxidase and can be used as a herbicide.
Targets(IC50)	Others,ROS

## Solubility Information

Solubility	DMSO: 50 mg/mL (121.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4252 mL	12.1259 mL	24.2518 mL
5 mM	0.485 mL	2.4252 mL	4.8504 mL
10 mM	0.2425 mL	1.2126 mL	2.4252 mL
50 mM	0.0485 mL	0.2425 mL	0.485 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

Asher, Brady Scott, et al. Vertical mobility, soil adsorption, and cotton tolerance to three Protoporphyrinogen oxidase (PPO) inhibiting herbicides in three West Texas soils. Texas tech university.

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