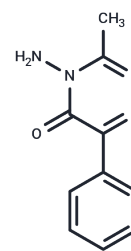


Metamitron

Chemical Properties

CAS No. :	41394-05-2
Formula:	C ₁₀ H ₁₀ N ₄ O
Molecular Weight:	202.21
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	Metamitron is a photosynthetic electron transport chain inhibitor and can be used as a chemical thinner.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (247.27 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	4.9454 mL	24.7268 mL	49.4535 mL
5 mM	0.9891 mL	4.9454 mL	9.8907 mL
10 mM	0.4945 mL	2.4727 mL	4.9454 mL
50 mM	0.0989 mL	0.4945 mL	0.9891 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

- Shizong Wang, et al. Identification of Degradation Routes of Metamitron in Soil Microcosms Using ¹³C-isotope Labeling. Environ Pollut. 2017 Jan;220(Pt B):927-935.
- Tadmor Y, et al. Metamitron, a Photosynthetic Electron Transport Chain Inhibitor, Modulates the Photoprotective Mechanism of Apple Trees. Plants (Basel). 2021 Dec 17;10(12):2803.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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