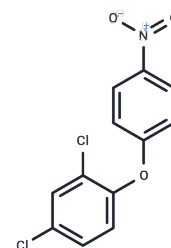


Nitrofen

Chemical Properties

CAS No. :	1836-75-5
Formula:	C ₁₂ H ₇ Cl ₂ NO ₃
Molecular Weight:	284.09
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	Nitrofen is a selective contact herbicide that acts as an inhibitor of protoporphyrinogen oxidase and retinal dehydrogenase.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (193.6 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	3.520 mL	17.6001 mL	35.2001 mL
5 mM	0.704 mL	3.520 mL	7.040 mL
10 mM	0.352 mL	1.760 mL	3.520 mL
50 mM	0.0704 mL	0.352 mL	0.704 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

- Siqin Zhaorigetu, et al. Perturbations in Endothelial Dysfunction-Associated Pathways in the Nitrofen-Induced Congenital Diaphragmatic Hernia Model. *J Vasc Res.* 2018;55(1):26-34.
- J M Jacobs, et al. Effects of Diphenyl Ether Herbicides on Porphyrin Accumulation by Cultured Hepatocytes. *J Biochem Toxicol.* Summer 1992;7(2):87-95.

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