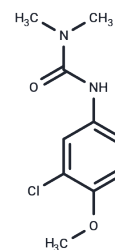


## Metoxuron

## Chemical Properties

CAS No. :	19937-59-8
Formula:	C <sub>10</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	228.68
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	Metoxuron is a phenylurea herbicide. It is used to control annual gramineous weeds and broadleaf weeds in wheat, barley and carrot fields.
Targets(IC50)	Others,Endogenous Metabolite

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3729 mL	21.8646 mL	43.7292 mL
5 mM	0.8746 mL	4.3729 mL	8.7458 mL
10 mM	0.4373 mL	2.1865 mL	4.3729 mL
50 mM	0.0875 mL	0.4373 mL	0.8746 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

- Boulkamh A, Harakat D, Sehili T, Boule P. Phototransformation of metoxuron [3-(3-chloro-4-methoxyphenyl)-1,1-dimethylurea] in aqueous solution. *Pest Manag Sci.* 2001 Dec;57(12):1119-26. PubMed PMID: 11802599.
- Gudéhn A, Kolmodin-Hedman B. Sampling and determination of fenitrothion, dimethoate, mevinphos, linuron, metoxuron and trifluralin from air. *J Chromatogr.* 1987 Jan 30;387:420-7. PubMed PMID: 3558633.
- Raju KR, Parthasarathy TN, Akella SR, Bhalerao UT. Spectrophotometric assay of Isoproturon and Metoxuron in technical grade and formulation samples using 3-methylbenzothiazolin-2-one hydrazone hydrochloride. *Talanta.* 1992 Oct;39(10):1387-90. PubMed PMID: 18965546.
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