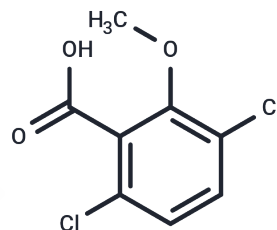


Dicamba

Chemical Properties

CAS No. :	1918-00-9
Formula:	C ₈ H ₆ Cl ₂ O ₃
Molecular Weight:	221.04
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	Dicamba (Banvel) is a chlorinated organic herbicide. Dicamba can be used to control broadleaf weeds.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 250 mg/mL (1131.02 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	4.5241 mL	22.6203 mL	45.2407 mL
5 mM	0.9048 mL	4.5241 mL	9.0481 mL
10 mM	0.4524 mL	2.262 mL	4.5241 mL
50 mM	0.0905 mL	0.4524 mL	0.9048 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

- Jugulam M, Ziauddin A, So KK, Chen S, Hall JC. Transfer of Dicamba Tolerance from *Sinapis arvensis* to *Brassica napus* via Embryo Rescue and Recurrent Backcross Breeding. *PLoS One*. 2015 Nov 4;10(11):e0141418. doi: 10.1371/journal.pone.0141418. eCollection 2015. PubMed PMID: 26536372; PubMed Central PMCID: PMC4633294.
- Ruiz de Arcaute C, Soloneski S, Larramendy ML. Evaluation of the genotoxicity of a herbicide formulation containing 3,6-dichloro-2-methoxybenzoic acid (dicamba) in circulating blood cells of the tropical fish *Cnesterodon decemmaculatus*. *Mutat Res Genet Toxicol Environ Mutagen*. 2014 Oct;773:1-8. doi: 10.1016/j.mrgentox.2014.08.001. Epub 2014 Aug 19. PubMed PMID: 25308699.
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- Zhu L, Li W, Zha J, Wang Z. Dicamba affects sex steroid hormone level and mRNA expression of related genes in adult rare minnow (*Gobiocypris rarus*) at environmentally relevant concentrations. *Environ Toxicol*. 2015 May-Jun;30(6):693-703. doi: 10.1002/tox.21947. Epub 2014 Jan 13. PubMed PMID: 24420721.

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