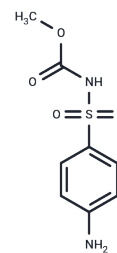


Asulam

Chemical Properties

CAS No. :	3337-71-1
Formula:	C ₈ H ₁₀ N ₂ O ₄ S
Molecular Weight:	230.23
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	Asulam is a herbicide targeting wild oats, used in the production of spinach, tulips, daffodils, and lily bulbs.
Targets(IC50)	Others

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	4.3435 mL	21.7174 mL	43.4348 mL
5 mM	0.8687 mL	4.3435 mL	8.687 mL
10 mM	0.4343 mL	2.1717 mL	4.3435 mL
50 mM	0.0869 mL	0.4343 mL	0.8687 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

Updated peer review of the pesticide risk assessment of the active substance asulam (variant evaluated asulam-sodium)

Tian J, Li Y, Dong J, Huang M, Lu J. Photoelectrochemical TiO₂ nanotube arrays biosensor for asulam determination based on in-situ generation of quantum dots. *Biosens Bioelectron.* 2018 Jul 1;110:1-7. doi: 10.1016/j.bios.2018.03.038. Epub 2018 Mar 17. PubMed PMID: 29573621.

Milligan G, Booth KE, Cox ES, Pakeman RJ, Le Duc MG, Connor L, Blackbird S, Marrs RH. Change to ecosystem properties through changing the dominant species: Impact of *Pteridium aquilinum*-control and heathland restoration treatments on selected soil properties. *J Environ Manage.* 2018 Feb 1;207:1-9. doi: 10.1016/j.jenvman.2017.11.013. Epub 2017 Nov 14. PubMed PMID: 29149640.

Men Y, Achermann S, Helbling DE, Johnson DR, Fenner K. Relative contribution of ammonia oxidizing bacteria and other members of nitrifying activated sludge communities to micropollutant biotransformation. *Water Res.* 2017 Feb 1;109:217-226. doi: 10.1016/j.watres.2016.11.048. Epub 2016 Nov 22. PubMed PMID: 27898334.

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