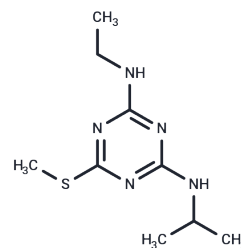


Ametryn

Chemical Properties

CAS No. :	834-12-8
Formula:	C ₉ H ₁₇ N ₅ S
Molecular Weight:	227.33
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	Ametryn is a methylthiothiazine based herbicide. Ametryn inhibits photosynthesis and other enzymatic processes.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3989 mL	21.9945 mL	43.9889 mL
5 mM	0.8798 mL	4.3989 mL	8.7978 mL
10 mM	0.4399 mL	2.1994 mL	4.3989 mL
50 mM	0.088 mL	0.4399 mL	0.8798 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

Santos T, Cancian G, Neodini DN, Mano DR, Capucho C, Predes FS, Barbieri R, Oliveira CA, Pigoso AA, Dolder H, Severi-Aguiar GD. Toxicological evaluation of ametryn effects in Wistar rats. *Exp Toxicol Pathol*. 2015 Oct;67(10):525-32. doi: 10.1016/j.etp.2015.08.001. Epub 2015 Aug 24. PubMed PMID: 26310382.

Liu CG, Shu JN, Yang B, Zhang P. Products and kinetics of the heterogeneous reaction of particulate ametryn with NO₃ radicals. *Environ Sci Process Impacts*. 2014 Dec;16(12):2686-91. doi: 10.1039/c4em00352g. PubMed PMID: 25301341.

Dantas TA, Cancian G, Neodini DN, Mano DR, Capucho C, Predes FS, Pulz RB, Pigoso AA, Dolder H, Severi-Aguiar GD. Leydig cell number and sperm production decrease induced by chronic ametryn exposure: a negative impact on animal reproductive health. *Environ Sci Pollut Res Int*. 2015 Jun;22(11):8526-35. doi: 10.1007/s11356-014-4010-5. Epub 2015 Jan 6. PubMed PMID: 25561257.

Peters LP, Carvalho G, Martins PF, Dourado MN, Vilhena MB, Pileggi M, Azevedo RA. Differential responses of the antioxidant system of ametryn and clomazone tolerant bacteria. *PLoS One*. 2014 Nov 7;9(11):e112271. doi: 10.1371/journal.pone.0112271. eCollection 2014. PubMed PMID: 25380132; PubMed Central PMCID: PMC4224425.

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