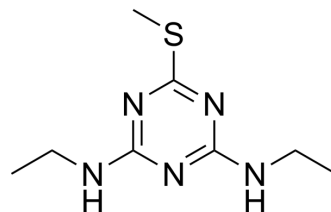


Simetryn

Cat. No.:	HY-B1853		
CAS No.:	1014-70-6		
Molecular Formula:	C ₈ H ₁₅ N ₅ S		
Molecular Weight:	213.3		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 37 mg/mL (173.46 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		4.6882 mL	23.4412 mL	46.8823 mL
	5 mM		0.9376 mL	4.6882 mL	9.3765 mL
	10 mM		0.4688 mL	2.3441 mL	4.6882 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Simetryn is a herbicide with the LC50 of 16.9-3.70 mg/L (79.3-17.4 microM).

REFERENCES

[1]. Berridge TL, et al. Selectivity profile of the alpha 2-adrenoceptor antagonist efaroxan in relation to plasma glucose and insulin levels in the rat. *Eur J Pharmacol.* 1992 Mar 24;213(2):205-12.

[2]. Saka M, et al. Application of an amphibian (*Silurana tropicalis*) metamorphosis assay to the testing of the chronic toxicity of three rice paddy herbicides: simetryn, mefenacet, and thiobencarb. *Ecotoxicol Environ Saf.* 2013 Jun;92:135-43.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA