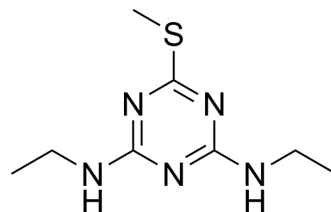


Simetryn

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:	<div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 2 years </div> <div> -20°C 1 year </div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 37 mg/mL (173.46 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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.

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