

Product Data Sheet

Product Name: Simetryn
Cat. No.: GC30350

Chemical Properties

Cas. No. 1014-70-6

SMILES CSC1=NC(NCC)=NC(NCC)=N1

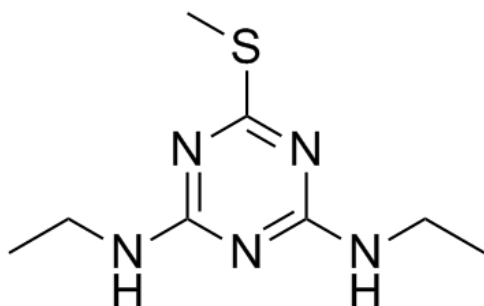
Formula C8H15N5S M.Wt 213.3

Solubility DMSO : ≥ 37 mg/mL (173.46 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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

[1]. Saka M. Acute toxicity of rice paddy herbicides simetryn, mefenacet, and thiobencarb to *Silurana tropicalis* tadpoles. *Ecotoxicol Environ Saf.* 2010 Sep;73(6):1165-9. [2]. Saka M, et al. Application of

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA