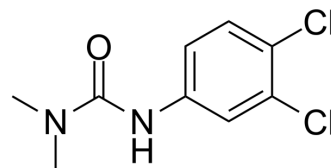


Diuron

Cat. No.:	HY-B0860		
CAS No.:	330-54-1		
Molecular Formula:	C ₉ H ₁₀ Cl ₂ N ₂ O		
Molecular Weight:	233.09		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (1072.55 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.2902 mL	21.4509 mL	42.9019 mL
	5 mM	0.8580 mL	4.2902 mL	8.5804 mL
	10 mM	0.4290 mL	2.1451 mL	4.2902 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 6.25 mg/mL (26.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 6.25 mg/mL (26.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 6.25 mg/mL (26.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Diuron is a phenylurea herbicide that inhibits photosynthesis by preventing the formation of ATP and NADH. Diuron (2,500 ppm, dietary) increases the incidence of urinary bladder urothelial carcinomas in male and female mice by 73 and 27%, respectively.

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