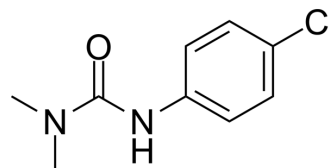


Monuron

Cat. No.:	HY-B1875		
CAS No.:	150-68-5		
Molecular Formula:	C ₉ H ₁₁ ClN ₂ O		
Molecular Weight:	198.65		
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 : 50 mg/mL (251.70 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.0340 mL	25.1699 mL	50.3398 mL
	5 mM	1.0068 mL	5.0340 mL	10.0680 mL
	10 mM	0.5034 mL	2.5170 mL	5.0340 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: ≥ 2.5 mg/mL (12.58 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (12.58 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (12.58 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Monuron is a phenylurea herbicide which inhibits photosynthesis^[1].

REFERENCES

[1]. National Toxicology Program. NTP Toxicology and Carcinogenesis Studies of Monuron (CAS No. 150-68-5) in F344/N Rats and B6C3F1 Mice (Feed Studies). Natl Toxicol

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

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