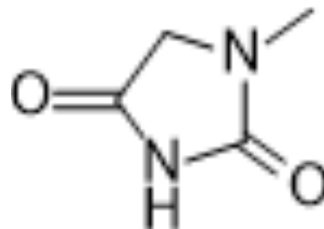


N-Methylhydantoin

Cat. No.:	HY-113382		
CAS No.:	616-04-6		
Molecular Formula:	C ₄ H ₆ N ₂ O ₂		
Molecular Weight:	114.1		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (876.42 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	8.7642 mL	43.8212 mL	87.6424 mL
	5 mM	1.7528 mL	8.7642 mL	17.5285 mL
	10 mM	0.8764 mL	4.3821 mL	8.7642 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 (21.91 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (21.91 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (21.91 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-Methylhydantoin is a product of degradation of creatinine by bacteria.

IC₅₀ & Target

Human Endogenous Metabolite

Microbial Metabolite

REFERENCES

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

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