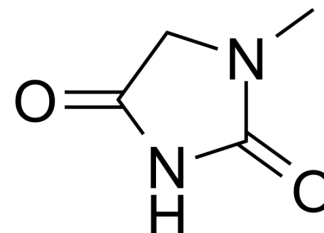


N-Methylhydantoin

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)			
		Solvent Concentration	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	<ol style="list-style-type: none"> 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

REFERENCES

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

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