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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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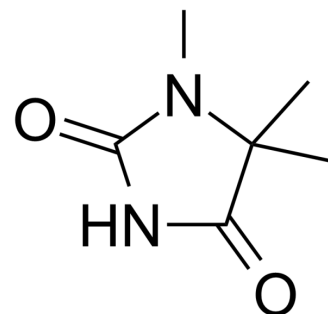
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1,5,5-Trimethylhydantoin

Cat. No.:	HY-W012606
CAS No.:	6851-81-6
Molecular Formula:	C ₆ H ₁₀ N ₂ O ₂
Molecular Weight:	142.16
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (703.43 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.0343 mL	35.1716 mL	70.3433 mL
		5 mM	1.4069 mL	7.0343 mL	14.0687 mL
		10 mM	0.7034 mL	3.5172 mL	7.0343 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 (17.59 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (17.59 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (17.59 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	1,5,5-Trimethylhydantoin (TMH) is a non-isotopic internal standard (IS) ^[1] .
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REFERENCES

[1]. Zi-Ao Huang, et al. Application of multisegment injection on quantification of creatinine and standard addition analysis of urinary 5-hydroxyindoleacetic acid simultaneously with creatinine normalization. Electrophoresis. 2020 Feb;41(3-4):183-193.

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

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