



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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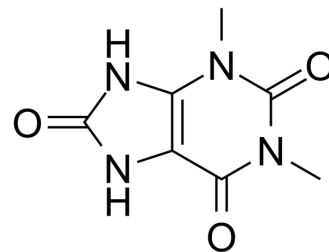
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1,3-Dimethyluric acid

Cat. No.:	HY-W014993	
CAS No.:	944-73-0	
Molecular Formula:	C ₇ H ₈ N ₄ O ₃	
Molecular Weight:	196.16	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (25.49 mM); ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.0979 mL	25.4894 mL	50.9788 mL
	5 mM	1.0196 mL	5.0979 mL	10.1958 mL
	10 mM	0.5098 mL	2.5489 mL	5.0979 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: ≥ 0.5 mg/mL (2.55 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.5 mg/mL (2.55 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 0.5 mg/mL (2.55 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

1,3-Dimethyluric acid is a product of theophylline metabolism in man. 1,3-Dimethyluric acid is one of the purine components in urinary calculi.

IC₅₀ & Target

Human Endogenous Metabolite

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

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