



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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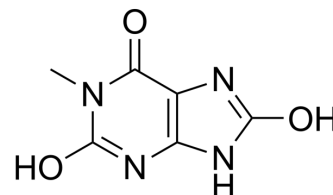
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1-Methyluric acid

Cat. No.:	HY-W010031
CAS No.:	708-79-2
Molecular Formula:	C ₆ H ₆ N ₄ O ₃
Molecular Weight:	182.14
Target:	Endogenous Metabolite; Drug 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 : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble) H ₂ O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)
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BIOLOGICAL ACTIVITY

Description	1-Methyluric acid acts on the urinary bladder mucosa and increases the blood glucose, insulin, triglyceride, and cholesterol levels.
In Vivo	Perfusion of the urinary bladder with 1-Methyl uric acid solution shows an increase in the serum total cholesterol level, true triglyceride level, glucose level and insulin level on comparison with perfusion of the urinary bladder with distilled water ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Animal Administration ^[1]	Rats ^[1] Adult albino rats of Wistar strain of either sex weighing 200-300 g rats are used for the present study. Thirty albino rats are divided into three groups of ten each. Group I serves as the control group perfused with distilled water. Following cannulation, the bladder is perfused with distilled water. Group II serves as the uric acid perfused group. Group III serves as the 1-Methyl uric acid perfused group. The animals of this group are treated in a similar way as those of control group (Group I) except that the bladder is perfused with the aqueous solution of 1-Methyl uric acid (0.0024 g/100 mL) instead of distilled water ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
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REFERENCES

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

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