



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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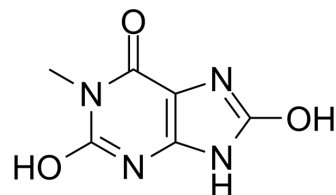
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## 1-Methyluric acid

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

### BIOLOGICAL ACTIVITY

|                           |  |
|---------------------------|--|
| Description               | 1-Methyluric acid acts on the urinary bladder mucosa and increases the blood glucose, insulin, triglyceride, and cholesterol levels.   |
| IC <sub>50</sub> & Target | Human Endogenous Metabolite  |
| 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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### PROTOCOL

|                                      |   |
|--------------------------------------|---|
| Animal Administration <sup>[1]</sup> | <p>Rats<sup>[1]</sup></p> <p>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<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> |
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### REFERENCES

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[1]. Balasubramanian T, et al. Uric acid or 1-methyl uric acid in the urinary bladder increases serum glucose, insulin, true triglyceride, and total cholesterol levels in Wistar rats. ScientificWorldJournal. 2003 Oct 5;3:930-6.

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

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