



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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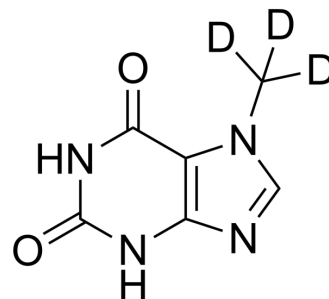
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7-Methylxanthine-d₃

Cat. No.:	HY-W017163S1
CAS No.:	1185878-99-2
Molecular Formula:	C ₆ H ₃ D ₃ N ₄ O ₂
Molecular Weight:	169.16
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

7-Methylxanthine-d₃ is deuterium labeled 7-Methylxanthine. 7-Methylxanthine, a methyl derivative of xanthine, is one of the purine components in urinary calculi^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Caubet MS, et al. Determination of urinary ¹³C-caffeine metabolites by liquid chromatography-mass spectrometry: the use of metabolic ratios to assess CYP1A2 activity. *J Pharm Biomed Anal*. 2004 Feb 4;34(2):379-89.

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

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