



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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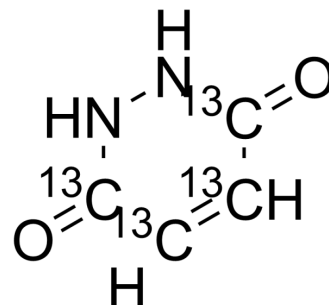
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1,2-Dihydropyridazine-3,6-dione-3,4,5,6-¹³C₄

Cat. No.:	HY-59354S1
CAS No.:	2140327-62-2
Molecular Formula:	¹³ C ₄ H ₄ N ₂ O ₂
Molecular Weight:	116.06
Target:	Isotope-Labeled Compounds; DNA/RNA Synthesis
Pathway:	Others; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	1,2-Dihydropyridazine-3,6-dione-3,4,5,6- ¹³ C ₄ (1,2-Dihydro-3,6-pyridazine- ¹³ C ₄ -dione) is ¹³ C labeled Maleic hydrazide. Maleic hydrazide is extensively used as a systemic plant growth regulator and as a herbicide. Maleic hydrazide acts as an inhibitor of the synthesis of nucleic acids and proteins ^{[1][2]} .
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REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Venezian A, et al. The Influence of the Plant Growth Regulator Maleic Hydrazide on Egyptian Broomrape Early Developmental Stages and Its Control Efficacy in Tomato under Greenhouse and Field Conditions. Front Plant Sci. 2017;8:691. Published 2017 May 16.
- [3]. Swietlińska Z, et al. Cytotoxic effects of maleic hydrazide. Mutat Res. 1978;55(1):15-30.
- [4]. Yurdakok B, et al. Cytotoxic effects of etephon and maleic hydrazide in Vero, Hep2, HepG2 cells. Drug Chem Toxicol. 2014;37(4):459-465.

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

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