



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

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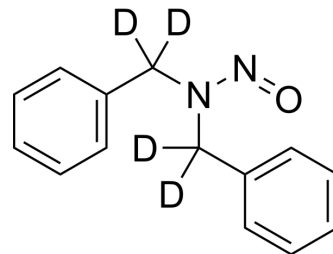
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N-Nitrosodibenzylamine-d₄

Cat. No.:	HY-132267S
CAS No.:	20002-23-7
Molecular Formula:	C ₁₄ H ₁₀ D ₄ N ₂ O
Molecular Weight:	230.3
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

N-Nitrosodibenzylamine-d₄ is deuterium labeled N-Nitrosodibenzylamine. N-Nitrosodibenzylamine is a potent and orally activity DNA damage inducer. N-Nitrosodibenzylamine induces DNA single-strand breaks (SSBs)^{[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]. Appel KE, et al. DNA damage induced by N-nitrosodibenzylamine and N-nitroso-alpha-acetoxybenzyl-benzylamine in mammalian cell systems and in vivo. *Toxicol Lett*. 1990 Aug;52(3):269-77.

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

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