



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 Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

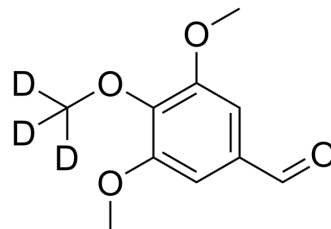
www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)



3,4,5-Trimethoxybenzaldehyde-d₃

Cat. No.:	HY-W009886S
CAS No.:	1219805-17-0
Molecular Formula:	C ₁₀ H ₉ D ₃ O ₄
Molecular Weight:	199.22
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3,4,5-Trimethoxybenzaldehyde-d ₃ is the deuterium labeled 3,4,5-Trimethoxybenzaldehyde. 3,4,5-Trimethoxybenzaldehyde is an intermediate for the synthesis of various pharmaceuticals, especially for trimethoprim used to research bacterial infections, including urinary tract pathogens infection.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Basanti LalHiran, et al. Oxidation of 3,4,5-trimethoxybenzaldehyde by pyridinium fluorochromate in N,N-dimethyl formamide medium: A kinetic and mechanistic study. Arabian Journal of Chemistry. Volume 9, Supplement 1, September 2016, Pages S440-S445

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA