



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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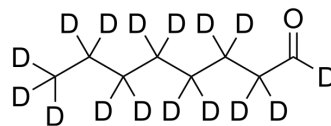
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Octanal-d₁₆

Cat. No.:	HY-N8015S
CAS No.:	1219794-66-7
Molecular Formula:	C ₈ D ₁₆ O
Molecular Weight:	144.31
Target:	Bacterial; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Octanal-d ₁₆ is the deuterium labeled Octanal[1]. Octanal is an aromatic aldehyde, with antioxidant and antimicrobial activities. Octanal shows cytotoxicity against Hela cells[2].
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]. Kehai Liu, et al. Isolation and biological activities of decanal, linalool, valencene, and octanal from sweet orange oil. *J Food Sci*. 2012 Nov;77(11):C1156-61.

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

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