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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

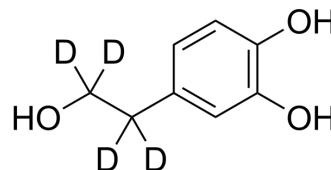
mail@szabo-scandic.com

www.szabo-scandic.com

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

Hydroxytyrosol-d₄

Cat. No.:	HY-N0570S
CAS No.:	1330260-89-3
Molecular Formula:	C ₈ H ₆ D ₄ O ₃
Molecular Weight:	158.19
Target:	Fungal; Bacterial; Endogenous Metabolite; Isotope-Labeled Compounds
Pathway:	Anti-infection; Metabolic Enzyme/Protease; Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Hydroxytyrosol-d ₄ is the deuterium labeled Hydroxytyrosol. Hydroxytyrosol (DOPET) is a phenolic compound drawn from the olive tree and its leaves with anti-oxidant, anti-atherogenic, anti-thrombotic, antimicrobial, anti-inflammatory and anti-tumour effects[1][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;53(2):211-216.
- [2]. Vilaplana-Pérez C, et al. Hydroxytyrosol and potential uses in cardiovascular diseases, cancer, and AIDS. *Front Nutr*. 2014 Oct 27;1:18.
- [3]. Martínez L, et al. Hydroxytyrosol: Health Benefits and Use as Functional Ingredient in Meat. *Medicines (Basel)*. 2018 Jan 23;5(1).

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