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Produktinformation



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Lieferung & Zahlungsart

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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

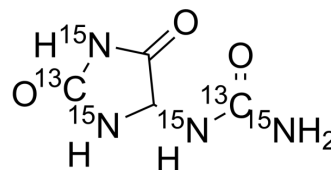
mail@szabo-scandic.com

www.szabo-scandic.com

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

Allantoin-¹³C₂,¹⁵N₄

Cat. No.:	HY-N0543S	
CAS No.:	1219402-51-3	
Molecular Formula:	C ₂ ¹³ C ₂ H ₆ ¹⁵ N ₄ O ₃	
Molecular Weight:	164	
Target:	Imidazoline Receptor; Endogenous Metabolite	
Pathway:	Neuronal Signaling; Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



BIOLOGICAL ACTIVITY

Description

Allantoin-¹³C₂,¹⁵N₄ is the ¹³C and ¹⁵N labeled Allantoin[1]. Allantoin is a skin conditioning agent that promotes healthy skin, stimulates new and healthy tissue growth[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]. Ahn YJ, et al. Effects of allantoin on cognitive function and hippocampal neurogenesis. *Food Chem Toxicol*. 2014 Feb;64:210-6.

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