



# 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 HandelsgmbH

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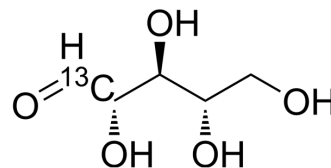
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## L-Ribose-13C

Cat. No.:	HY-W008351S
Molecular Formula:	C <sub>4</sub> <sup>13</sup> CH <sub>10</sub> O <sub>5</sub>
Molecular Weight:	151.12
Target:	Antibiotic; Isotope-Labeled Compounds
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	L-Ribose- <sup>13</sup> C is the <sup>13</sup> C labeled L-Ribose. L-Ribose, a non-naturally occurring pentose, is an ideal starting material for use in synthesizing L-nucleosides analogues. Many anticancer and antiviral agents are synthesized based on a backbone of L-Ribose and i
<b>In Vitro</b>	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 <sup>[1]</sup> . 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]. Ming Chen, et al. Microbial and enzymatic strategies for the production of L-ribose. *Appl Microbiol Biotechnol*. 2020 Apr;104(8):3321-3329.

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

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