



# 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

### SZABO-SCANDIC HandelsgmbH

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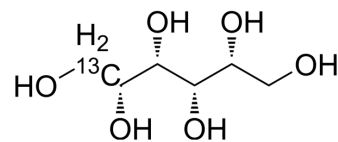
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## D-Iditol-<sup>13</sup>C

<b>Cat. No.:</b>	HY-W145584S
<b>Molecular Formula:</b>	C <sub>5</sub> <sup>13</sup> CH <sub>14</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	183.16
<b>Target:</b>	Endogenous Metabolite; Isotope-Labeled Compounds
<b>Pathway:</b>	Metabolic Enzyme/Protease; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	D-Iditol- <sup>13</sup> C is the <sup>13</sup> C labeled D-Iditol. D-Iditol is a fungal metabolite, a sugar alcohol that accumulates in galactokinase deficiency. D-Iditol may have potential antitumour activity[1][2][3].
<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]. H Sasahara, et al. Production of D-iditol from D-sorbose by *Rhodotolura rubra* RY10 isolated from *miso* paste. *J Biosci Bioeng*. 1999;87(4):548-50.; Sasahara H, et al. Production of D-iditol from D-sorbose by *Rhodotolura*

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

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