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Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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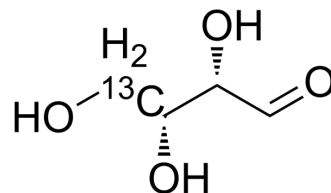
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(2S,3R)-2,3,4-Trihydroxybutanal-¹³C-2

Cat. No.:	HY-W012864S2
CAS No.:	90913-09-0
Molecular Formula:	C ₃ ¹³ CH ₈ O ₄
Molecular Weight:	121.1
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (412.88 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		8.2576 mL	41.2882 mL	82.5764 mL
	5 mM		1.6515 mL	8.2576 mL	16.5153 mL
	10 mM		0.8258 mL	4.1288 mL	8.2576 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(2S,3R)-2,3,4-Trihydroxybutanal-¹³C-2 is the ¹³C labeled (2S,3R)-2,3,4-Trihydroxybutanal[1].

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.

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

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