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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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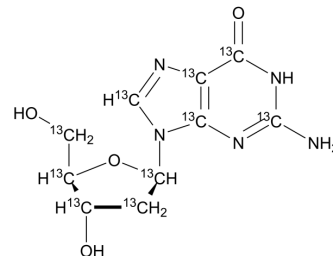
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2'-Deoxyguanosine-¹³C₁₀

Cat. No.:	HY-17563S2
CAS No.:	1245539-86-9
Molecular Formula:	¹³ C ₁₀ H ₁₃ N ₅ O ₄
Molecular Weight:	277.17
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (360.79 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.6079 mL	18.0395 mL	36.0789 mL
	5 mM		0.7216 mL	3.6079 mL	7.2158 mL
	10 mM		0.3608 mL	1.8039 mL	3.6079 mL

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

BIOLOGICAL ACTIVITY

Description

2'-Deoxyguanosine-¹³C₁₀ (Deoxyguanosine-¹³C₁₀; Guanine deoxyriboside-¹³C₁₀) is ¹³C-labeled 2'-Deoxyguanosine (HY-17563). 2'-Deoxyguanosine (Deoxyguanosine) is deoxyguanosine.

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]. Deoxyguanosine, From Wikipedia

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

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