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Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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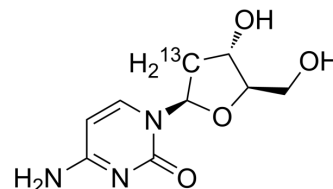
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2'-Deoxycytidine-2'-¹³C

Cat. No.:	HY-W654136
Molecular Formula:	C ₈ ¹³ CH ₁₃ N ₃ O ₄
Molecular Weight:	228.21
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2'-Deoxycytidine-2'-¹³C is ¹³C labeled 2'-Deoxycytidine. 2'-Deoxycytidine, a deoxyribonucleoside, can inhibit biological effects of Bromodeoxyuridine (BrdU). 2'-Deoxycytidine is essential for the synthesis of nucleic acids, that can be used for the research of cancer^{[1][2][3]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Iwazaki A, et al. Intravenously administered 2'-deoxycytidine suppresses mouse myeloma tumor growth. *Biol Pharm Bull*. 2012;35(2):251-5.
- [3]. Horn D, et al. Inhibition of biological effects of bromodeoxyuridine by deoxycytidine: correlation with decreased incorporation of bromodeoxyuridine into DNA. *Somatic Cell Genet*. 1976 Sep;2(5):469-81.

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

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