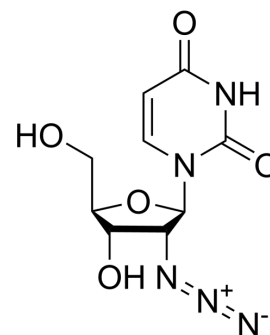


2'-Azido-2'-deoxyuridine

Cat. No.:	HY-135957
CAS No.:	26929-65-7
Molecular Formula:	C ₉ H ₁₁ N ₅ O ₅
Molecular Weight:	269.21
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2'-Azido-2'-deoxyuridine (N3dUrd) is a ribonucleotide reductase inhibitor. 2'-Azido-2'-deoxyuridine has anti-cancer activity [1]. 2'-Azido-2'-deoxyuridine is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
In Vitro	2'-Azido-2'-deoxyuridine (N3dUrd) has IC ₅₀ s of >350 μM for ribonucleotide reductase activity in chinese hamster ovary (CHO) and 3T6 cell [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kang SH, et al. Biological activity and phosphorylation of 2'-azido-2'-deoxyuridine and 2'-azido-2'-deoxycytidine. Nucleosides Nucleotides. 1998 Jun;17(6):1077-88.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA