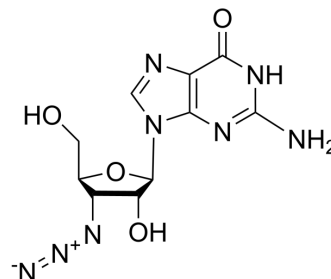


3'-Azido-3'-deoxyguanosine

Cat. No.:	HY-131803
CAS No.:	98870-11-2
Molecular Formula:	C ₁₀ H ₁₂ N ₈ O ₄
Molecular Weight:	308.25
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Urolignoside is an antioxidant with free radical scavenging activity. Urolignoside potently scavenges DPPH radical, and exhibits antioxidant to β-carotene-lineoleate model ^[1] . 3'-Azido-3'-deoxyguanosine is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
In Vitro	Urolignoside (50 mg/L, 100 mg/L; 2 hr) shows dose-dependently antioxidant activity in β-carotene-lineoleate model system ^[1] . Urolignoside (12.5 mg/L, 25 mg/L; 20 min) shows significantly radical scavenging activity against DPPH in a dose-dependent manner ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jayaprakasha G K, et al. Phenolic constituents in the fruits of Cinnamomum zeylanicum and their antioxidant activity[J]. Journal of agricultural and food chemistry, 2006, 54(5): 1672-1679.

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