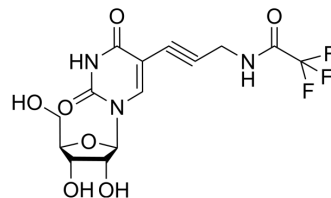


5-[3-[(2,2,2-Trifluoroacetyl)amino]-1-propyn-1-yl]uridine

Cat. No.:	HY-152580
CAS No.:	120609-05-4
Molecular Formula:	C ₁₄ H ₁₄ F ₃ N ₃ O ₇
Molecular Weight:	393.27
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

5-[3-[(2,2,2-Trifluoroacetyl)amino]-1-propyn-1-yl]uridine is a thymidine analogue. Analogs of this series have insertional activity towards replicated DNA. They can be used to label cells and track DNA synthesis^[1]. 5-[3-[(2,2,2-Trifluoroacetyl)amino]-1-propyn-1-yl]uridine is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

[1]. Cavanagh BL, et al. Thymidine analogues for tracking DNA synthesis. *Molecules*. 2011 Sep 15;16(9):7980-93.

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