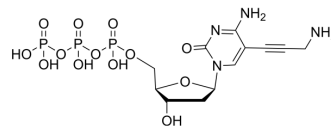


## 5-Propargylamino-dCTP

Cat. No.:	HY-132142
CAS No.:	115899-39-3
Molecular Formula:	C <sub>12</sub> H <sub>19</sub> N <sub>4</sub> O <sub>13</sub> P <sub>3</sub>
Molecular Weight:	520.22
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°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

H<sub>2</sub>O : 250 mg/mL (480.57 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9223 mL	9.6113 mL	19.2226 mL
	5 mM	0.3845 mL	1.9223 mL	3.8445 mL
	10 mM	0.1922 mL	0.9611 mL	1.9223 mL

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

### BIOLOGICAL ACTIVITY

#### Description

5-Propargylamino-dCTP is a nucleoside molecule extracted from patent US9035035B2, compound dCTP-PA. 5-Propargylamino-dCTP can conjugate to molecular markers for use in nucleic acid labeling or sequence analysis<sup>[1]</sup>. 5-Propargylamino-dCTP 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]. Cherkasov D, et, al. Macromolecular nucleotide compounds and methods for using the same. US9035035B2.

**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