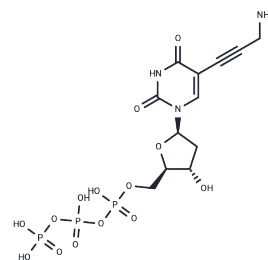


## 5-PA-dUTP

## Chemical Properties

CAS No. :	179101-49-6
Formula:	C <sub>12</sub> H <sub>18</sub> N <sub>3</sub> O <sub>14</sub> P <sub>3</sub>
Molecular Weight:	521.204
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	5-PA-dUTP (5-Propargylamino-dUTP) is a modified nucleotide with a C5 modification, designed for incorporation into DNA nanoparticles (DNPs) to facilitate efficient delivery of photosensitizers.
Targets(IC50)	Others,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9186 mL	9.5932 mL	19.1865 mL
5 mM	0.3837 mL	1.9186 mL	3.8373 mL
10 mM	0.1919 mL	0.9593 mL	1.9186 mL
50 mM	0.0384 mL	0.1919 mL	0.3837 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Kyoung-Ran Kim, et al. Shaping Rolling Circle Amplification Products into DNA Nanoparticles by Incorporation of Modified Nucleotides and Their Application to In Vitro and In Vivo Delivery of a Photosensitizer. *Molecules*. 2018 Jul 23;23(7):1833.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481