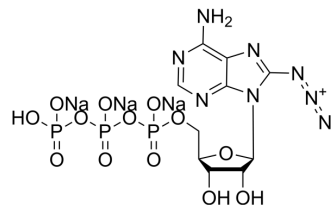


8-Azido-ATP trisodium

Cat. No.:	HY-134320B
Molecular Formula:	C ₁₀ H ₁₂ N ₈ Na ₃ O ₁₃ P ₃
Molecular Weight:	614.14
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°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

H₂O : 125 mg/mL (203.54 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6283 mL	8.1415 mL	16.2829 mL
	5 mM	0.3257 mL	1.6283 mL	3.2566 mL
	10 mM	0.1628 mL	0.8141 mL	1.6283 mL

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

BIOLOGICAL ACTIVITY

Description

8-Azido-ATP (8-N3-ATP) trisodium, a photoreactable nucleotide analog, is useful for the identification of proteins, such as DNA-dependent RNA polymerase. 8-Azido-ATP trisodium is a click chemistry reagent that contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. 8-Azido-ATP trisodium can also undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing DBCO or BCN groups^{[1][2]}.

REFERENCES

- [1]. S Valenzuela, et al. Photoaffinity labeling of rotavirus VP1 with 8-azido-ATP: identification of the viral RNA polymerase. J Virol. 1991 Jul;65(7):3964-7.
- [2]. K Tanabe, et al. Direct photoaffinity labeling of the Kir6.2 subunit of the ATP-sensitive K⁺ channel by 8-azido-ATP. J Biol Chem. 1999 Feb 12;274(7):3931-3.

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

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