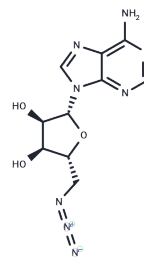


## 5'-Azido-5'-deoxyadenosine

## Chemical Properties

CAS No. :	737-76-8
Formula:	C <sub>10</sub> H <sub>12</sub> N <sub>8</sub> O <sub>3</sub>
Molecular Weight:	292.25
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'-Azido-5'-deoxyadenosine is a purine nucleoside analogue containing an azide group, exhibiting inhibitory activity against <i>Trichomonas vaginalis</i> and PRMT5, and capable of undergoing click chemistry reactions with molecules containing alkyne, DBCO, or BCN groups.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Histone Methyltransferase, Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4217 mL	17.1086 mL	34.2173 mL
5 mM	0.6843 mL	3.4217 mL	6.8435 mL
10 mM	0.3422 mL	1.7109 mL	3.4217 mL
50 mM	0.0684 mL	0.3422 mL	0.6843 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

Brown T, Cao M, Zheng YG. Synthesis and Activity of Triazole-Adenosine Analogs as Protein Arginine Methyltransferase 5 Inhibitors. *Molecules*. 2022 Jun 11;27(12):3779.

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