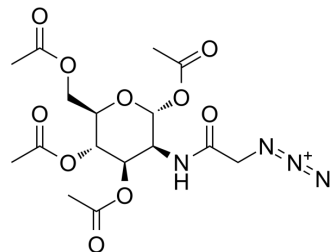


## Ac4ManNAz

<b>Cat. No.:</b>	HY-W728531		
<b>CAS No.:</b>	1213701-11-1		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>22</sub> N <sub>4</sub> O <sub>10</sub>		
<b>Molecular Weight:</b>	430.37		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (232.36 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3236 mL	11.6179 mL	23.2358 mL
	5 mM	0.4647 mL	2.3236 mL	4.6472 mL
	10 mM	0.2324 mL	1.1618 mL	2.3236 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Ac4ManNAz can be taken up by cells and is an azide-containing metabolic glycoprotein labeling reagent that selectively modifies proteins. Commonly used for cell labeling, tracking and proteomic analysis. Ac4ManNAz contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Ac4ManNAz can also undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing DBCO or BCN groups.

### REFERENCES

[1]. Spiciarich DR, et, al. Bioorthogonal Labeling of Human Prostate Cancer Tissue Slice Cultures for Glycoproteomics. Angew Chem Int Ed Engl. 2017 Jul 24;56(31):8992-8997.

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

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