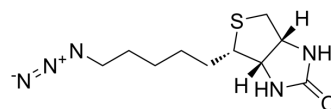


## Biotin-C5-Azide

<b>Cat. No.:</b>	HY-151667
<b>CAS No.:</b>	1260586-88-6
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>17</sub> N <sub>5</sub> OS
<b>Molecular Weight:</b>	255.34
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (391.63 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.9163 mL	19.5817 mL	39.1635 mL
		5 mM	0.7833 mL	3.9163 mL	7.8327 mL
		10 mM	0.3916 mL	1.9582 mL	3.9163 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (9.79 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.79 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (9.79 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Biotin-C5-Azide (DecarboxyBiotin-N3) is a biotin reagent and can be used to prepare biotinylated conjugates <sup>[1]</sup> . Biotin-C5-Azide is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
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### REFERENCES

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

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