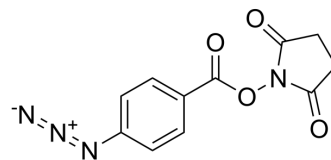


## N3-Ph-NHS ester

<b>Cat. No.:</b>	HY-126524		
<b>CAS No.:</b>	53053-08-0		
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>8</sub> N <sub>4</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	260.21		
<b>Target:</b>	ADC Linker		
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 31.25 mg/mL (120.10 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.8431 mL	19.2153 mL	38.4305 mL
		5 mM	0.7686 mL	3.8431 mL	7.6861 mL
10 mM		0.3843 mL	1.9215 mL	3.8431 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: ≥ 2.08 mg/mL (7.99 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.99 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (7.99 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	N3-Ph-NHS ester is a noncleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). N3-Ph-NHS ester 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.
<b>IC<sub>50</sub> &amp; Target</b>	Non-cleavable Linker

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

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