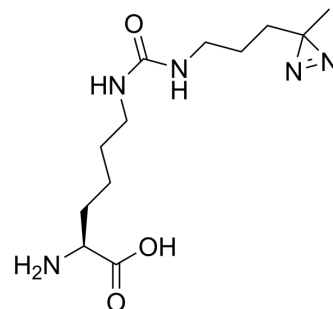


## DiZPK

<b>Cat. No.:</b>	HY-12801		
<b>CAS No.:</b>	1337883-32-5		
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>23</sub> N <sub>5</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	285.34		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 5.2 mg/mL (18.22 mM; ultrasonic and adjust pH to 7 with NaOH)  
 DMSO : < 1 mg/mL (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.5046 mL	17.5230 mL	35.0459 mL
	5 mM	0.7009 mL	3.5046 mL	7.0092 mL
	10 mM	0.3505 mL	1.7523 mL	3.5046 mL

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

#### In Vivo

1. Add each solvent one by one: PBS  
 Solubility: 2 mg/mL (7.01 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

DiZPK is a photocrosslinker for identifying direct protein-protein interactions in living prokaryotic and eukaryotic cells.

#### In Vitro

DiZPK is a structural analog of pyrrolysine (Pyl), acting as a photocrosslinker for identifying direct protein-protein interactions in living prokaryotic and eukaryotic cells<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Mol Cell. 2022 Aug 10;S1097-2765(22)00663-3.

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- STAR Protoc. 2020 Sep 15;1(3):100109.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Zhang M, et al. A genetically incorporated crosslinker reveals chaperone cooperation in acid resistance. Nat Chem Biol. 2011 Sep 4;7(10):671-7.

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

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