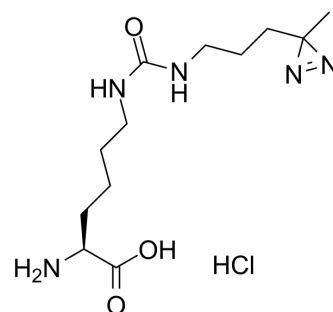


## DiZPK hydrochloride

<b>Cat. No.:</b>	HY-12801A
<b>CAS No.:</b>	2349295-23-2
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>24</sub> ClN <sub>5</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	321.8
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 8.33 mg/mL (25.89 mM; Need ultrasonic and warming)					
	DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		3.1075 mL	15.5376 mL	31.0752 mL
<b>5 mM</b>			0.6215 mL	3.1075 mL	6.2150 mL	
<b>10 mM</b>		0.3108 mL	1.5538 mL	3.1075 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 2 mg/mL (6.22 mM); Clear solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	DiZPK hydrochloride is a structural analog of pyrrolysine (Pyl), acting as a photocrosslinker for identifying direct protein-protein interactions in living prokaryotic and eukaryotic cells.
<b>In Vitro</b>	DiZPK hydrochloride 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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