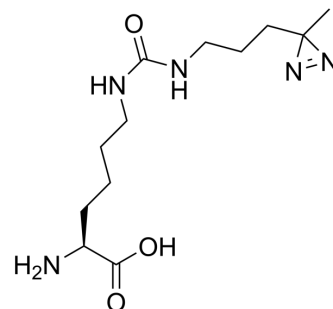


DiZPK

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



SOLVENT & SOLUBILITY

In Vitro

H₂O : 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^[1].
 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

REFERENCES

[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.

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

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