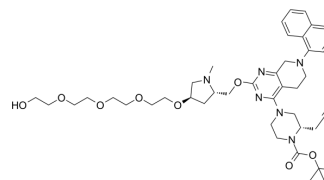


K-Ras ligand-Linker Conjugate 5

Cat. No.:	HY-130823
CAS No.:	2378261-85-7
Molecular Formula:	C ₄₂ H ₅₉ N ₇ O ₈
Molecular Weight:	789.96
Target:	Target Protein Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (126.59 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		1.2659 mL	6.3294 mL	12.6589 mL
	5 mM		0.2532 mL	1.2659 mL	2.5318 mL
	10 mM		0.1266 mL	0.6329 mL	1.2659 mL

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

BIOLOGICAL ACTIVITY

Description

K-Ras ligand-Linker Conjugate 5 incorporates a ligand for K-Ras recruiting moiety, and a PROTAC linker, which recruit E3 ligases (such as VHL, CRBN, MDM2, and IAP). K-Ras ligand-Linker Conjugate 5 can be used in the synthesis of PROTAC K-Ras Degradator-1 (HY-129523), which is potent PROTAC K-Ras degrader that exhibits ≥70% degradation efficacy in SW1573 cells^[1].

In Vitro

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. CREW, Andrew P., et al. MODULATORS OF PROTEOLYSIS AND ASSOCIATED METHODS OF USE. WO2019195609A2.

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

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