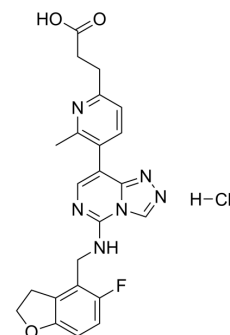


MAK683-CH₂CH₂COOH hydrochloride

Cat. No.:	HY-130815A
Molecular Formula:	C ₂₃ H ₂₂ ClFN ₆ O ₃
Molecular Weight:	484.91
Target:	Ligands for Target Protein for PROTAC; Histone Methyltransferase
Pathway:	PROTAC; Epigenetics
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (103.11 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0622 mL	10.3112 mL	20.6224 mL
	5 mM	0.4124 mL	2.0622 mL	4.1245 mL
	10 mM	0.2062 mL	1.0311 mL	2.0622 mL

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

BIOLOGICAL ACTIVITY

Description

MAK683-CH₂CH₂COOH binds to EED (embryonic ectoderm development protein). MAK683-CH₂CH₂COOH and a VHL ligand for the E3 ubiquitin ligase have been used to design PROTAC EED degrader-1 (HY-130614) and PROTAC EED degrader-2 (HY-130615)^[1].

In Vitro

MAK683-CH₂CH₂COOH inhibits Karpas422 cells with a GI₅₀ of 14 nM for 14 days treatment^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hsu JH, et al. EED-Targeted PROTACs Degrade EED, EZH2, and SUZ12 in the PRC2 Complex. Cell Chem Biol. 2019 Nov 26. pii: S2451-9456(19)30362-9.

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

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