EED226-COOH

Cat. No.: HY-130979

CAS No.: 2467965-71-3

Molecular Formula: $C_{17}H_{13}N_5O_3$

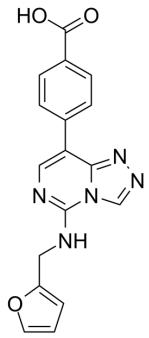
Molecular Weight: 335.32

Target: Ligands for Target Protein for PROTAC

Pathway: PROTAC

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (372.78 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.9822 mL	14.9111 mL	29.8223 mL
	5 mM	0.5964 mL	2.9822 mL	5.9645 mL
	10 mM	0.2982 mL	1.4911 mL	2.9822 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (6.20 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (6.20 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (6.20 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

EED226-COOH is an EED226-derived ligand for target protein EED ligand for PROTAC, binds to a ligand for VHL via linker to form UNC6852 (HY-130708) to degrade PRC2[1].

IC_{50} & Target

EED[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.

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

REFERENCES

[1]. Potjewyd F, et al. Degradation of Polycomb Repressive Complex 2 with an EED-Targeted Bivalent Chemical Degrader. Cell Chem Biol. 2020 Jan 16;27(1):47-56.e15.

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