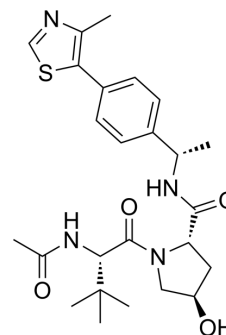


VHL Ligand 14

Cat. No.:	HY-150803		
CAS No.:	2010986-87-3		
Molecular Formula:	C ₂₅ H ₃₄ N ₄ O ₄ S		
Molecular Weight:	486.63		
Target:	Ligands for E3 Ligase		
Pathway:	PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (205.49 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.0549 mL	10.2747 mL	20.5495 mL
	5 mM		0.4110 mL	2.0549 mL	4.1099 mL
	10 mM		0.2055 mL	1.0275 mL	2.0549 mL

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

BIOLOGICAL ACTIVITY

Description

VHL Ligand 14 (Compound 11) is a VHL ligand for design of PROTAC estrogen receptor α (ERα) degraders, with a binding affinity IC₅₀ of 196 nM^[1].

In Vitro

VHL Ligand 14 (5-10 μM) supports the stability of PROTAC ER degrader, promotes the ER degradation^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.
 Western Blot Analysis^[1]

Cell Line:	MCF-7
Concentration:	5-10 μM
Incubation Time:	4 h
Result:	Inhibited degradation of ER ligand.

REFERENCES

[1]. Hu J, et al., Discovery of ERD-308 as a Highly Potent Proteolysis Targeting Chimera (PROTAC) Degradator of Estrogen Receptor (ER). J Med Chem. 2019 Feb 14;62(3):1420-1442.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA