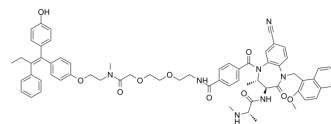


PROTAC ER α Degradator-1

Cat. No.:	HY-112098
CAS No.:	2417369-94-7
Molecular Formula:	C ₆₆ H ₆₉ N ₇ O ₁₀
Molecular Weight:	1120.29
Target:	PROTACs; Estrogen Receptor/ERR
Pathway:	PROTAC; Others
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (178.53 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	0.8926 mL	4.4631 mL	8.9263 mL
				5 mM	0.1785 mL	0.8926 mL	1.7853 mL
				10 mM	0.0893 mL	0.4463 mL	0.8926 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline) Solubility: 5 mg/mL (4.46 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: \geq 5 mg/mL (4.46 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	PROTAC ER α Degradator-1 comprises an ubiquitin E3 ligase binding group, a linker and a protein binding group. PROTAC ER α Degradator-1 extracts from patent WO2017201449A1, compound P1. PROTAC ER α Degradator-1 is an estrogen receptor-alpha (ER α) degrader.
IC ₅₀ & Target	Estrogen receptor-alpha (ER α) ^[1]
In Vitro	Treatment of the HER2 expressing cells with the PROTAC ER α Degradator-1 (without Ab; compound P1) results in a decreased estrogen receptor-alpha (ER α) levels ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Kinase Assay ^[1]

Synthesis of a PROTAC:

- i. Attachment of a Linker (L2) to an E3 Ligase Binding Group (E3LB).
- ii. Attachment of a protein binding moiety (PB) to an E3LB via a Linker (L2)^[1].

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

REFERENCES

[1]. Thomas Pillow, et al. Protac antibody conjugates and methods of use. WO2017201449A1.

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

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