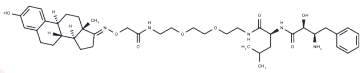
Data Sheet (Cat.No.T18605)

TargetMol

PROTAC ERα Degrader-2

Chemical Properties



CAS No. : 1351169-29-3

Formula: C42H61N5O8

Molecular Weight: 763.96

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	PROTAC ERα Degrader-2 is composed of a cIAP1 ligand binding group, a linker, and an estrogen receptor α (ERα) binding group, serving as an ERα degrader. It achieves maximal ERα degradation in human mammary tumor MCF7 cells at a concentration of 30 μM. Degradation inducers that utilize cIAP1 are referred to as specific and non-genetic IAP-dependent protein erasers (SNIPERs)[1].
Targets(IC50)	Estrogen Receptor/ERR,SNIPERs,PROTACs

Solubility Information

Solubility	DMSO: 200 mg/mL (261.79 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL (6.54 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.309 mL	6.5448 mL	13.0897 mL
5 mM	0.2618 mL	1.309 mL	2.6179 mL
10 mM	0.1309 mL	0.6545 mL	1.309 mL
50 mM	0.0262 mL	0.1309 mL	0.2618 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Scheepstra M, et al. Bivalent Ligands for Protein Degradation in Drug Discovery. Comput Struct Biotechnol J. 2019 Jan 25;17:160-176.