

PROTAC ER $\alpha$  Degradar-1

## Chemical Properties

CAS No. :

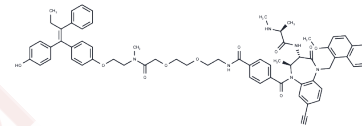
Formula: C<sub>66</sub>H<sub>69</sub>N<sub>7</sub>O<sub>10</sub>

Molecular Weight: 1120.29

Keep away from direct sunlight

Storage: 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 ER $\alpha$ Degradar-1 is a chemical compound. It consists of a ubiquitin E3 ligase binding group, a linker, and a protein binding group. This compound serves as a degrader of estrogen receptor-alpha (ER $\alpha$ ).
Targets(IC50)	Estrogen Receptor/ERR,PROTACs
In vitro	Treatment of HER2-expressing cells with PROTAC ER $\alpha$ Degradar-1 (without Ab; compound P1) leads to reduced estrogen receptor-alpha (ER $\alpha$ ) levels[1].

## Solubility Information

Solubility	DMSO: 200 mg/mL (178.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (4.46 mM),Sonication is recommended. <i>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.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
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
50 mM	0.0179 mL	0.0893 mL	0.1785 mL

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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

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

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