

(rel)-PROTAC ERR $\alpha$  Degradator-1

## Chemical Properties

CAS No. :

Formula: C<sub>54</sub>H<sub>49</sub>Cl<sub>2</sub>F<sub>6</sub>N<sub>7</sub>O<sub>8</sub>

Molecular Weight: 1108.91

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	(rel)-PROTAC ERR $\alpha$ Degradator-1, a relative configuration of PROTAC ERR $\alpha$ Degradator-1, is an estrogen-related receptor alpha (ERR $\alpha$ ) degrader comprising an MDM2 ligand binding moiety, a linker, and an ERR $\alpha$ binding moiety [1].
Targets(IC50)	Estrogen Receptor/ERR,Others,PROTAC Linker

## Solubility Information

Solubility	DMSO: 100 mg/mL (90.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (2.98 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

	1mg	5mg	10mg
1 mM	0.9018 mL	4.5089 mL	9.0179 mL
5 mM	0.1804 mL	0.9018 mL	1.8036 mL
10 mM	0.0902 mL	0.4509 mL	0.9018 mL
50 mM	0.018 mL	0.0902 mL	0.1804 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

Peng L, et al. Identification of New Small-Molecule Inducers of Estrogen-related Receptor  $\alpha$  (ERR $\alpha$ ) Degradation. ACS Med Chem Lett. 2019 Apr 12;10(5):767-772.

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