

ERR α Ligand-Linker Conjugates 1

Chemical Properties

CAS No. :

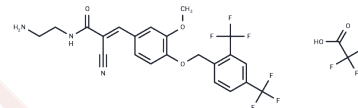
Formula: C₂₄H₂₀F₉N₃O₅

Molecular Weight: 601.42

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	ERR α Ligand-Linker Conjugates 1 refers to a chemical compound that consists of a ligand targeting estrogen-related receptor alpha (ERR α), and a PROTAC linker that facilitates the recruitment of E3 ligases MDM2. It finds utility in the synthesis of a range of PROTACs, including one known as PROTAC ERRalpha Degradator-1. With its capability to induce degradation of ERR α , PROTAC ERRalpha Degradator-1 functions as an ERR α degrader[1].
Targets(IC50)	Others,Target Protein Ligand-Linker Conjugates

Solubility Information

Solubility	DMSO: 50 mg/mL (83.14 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 (8.31 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	1.6627 mL	8.3137 mL	16.6273 mL
5 mM	0.3325 mL	1.6627 mL	3.3255 mL
10 mM	0.1663 mL	0.8314 mL	1.6627 mL
50 mM	0.0333 mL	0.1663 mL	0.3325 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 α (ERR α) Degradation. ACS Med Chem Lett. 2019 Apr 12;10(5):767-772.

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