

ER α degrader 7

Chemical Properties

CAS No. :

Formula: C₂₈H₂₄F₄N₂O₃

Molecular Weight:

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	ER α degrader7 (Compound B1) is a potent ER α degrader, exhibiting an IC ₅₀ of 14.6 nM and a DC ₅₀ of 9.7 nM. This compound demonstrates excellent antitumor activity, indicating its potential as a selective estrogen receptor degrader (SERD) for breast cancer research.
Targets(IC ₅₀)	Estrogen Receptor/ERR
In vitro	ER α degrader 7 exhibits antitumor activity against breast cancer cells (IC ₅₀ = 4.21 nM) without cytotoxic effects on normal breast epithelial cells at concentrations of 10 ⁻⁵ to 10 ⁻⁶ μ M over a period of 5 days. Additionally, ER α degrader 7 (50-1000 nM, 5 d) demonstrates significant concentration-dependent degradation of ER α in MCF-7 cells.

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