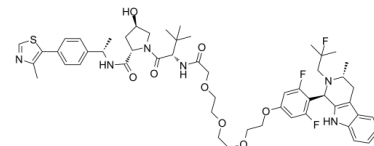


Data Sheet

Product Name:	PROTAC ER Degradar-4
Cat. No.:	CS-0111216
CAS No.:	2361114-15-8
Molecular Formula:	C ₅₃ H ₆₇ F ₃ N ₆ O ₈ S
Molecular Weight:	1005.19
Target:	Estrogen Receptor/ERR; PROTACs
Pathway:	Others; PROTAC
Solubility:	DMSO : 100 mg/mL (99.48 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

PROTAC ER Degradar-4 is a **von Hippel-Lindau**-based **PROATC estrogen receptor (ER)** degrader, binding to **ER** with an **IC₅₀** of 0.8 nM. PROTAC ER Degradar-4 induces ER degradation in MCF-7 cells with an **IC₅₀** of 0.3 nM^[1]. **In Vitro:** PROTAC ER Degradar-4 shows equal to 100% ER degradation at 0.3 μM in the MCF-7 ER degradation cellular assay^[1].

References:

[1]. Bin Yang, et al. Compounds and their use in treating cancer. WO2019123367A1.

CAIndexNames:

(2S,4R)-1-((S)-2-(tert-Butyl)-14-(3,5-difluoro-4-((1R,3R)-2-(2-fluoro-2-methylpropyl)-3-methyl-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-1-yl)phenoxy)-4-oxo-6,9,12-trioxa-3-azatetradecanoyl)-4-hydroxy-N-((S)-1-(4-(4-methylthiazol-5-yl)phenyl)ethyl)pyrrolidine-2-carboxamide

SMILES:

CC(C)(F)CN1[C@H](C2=C(C=C(OCCOCCOCCOCC(N[C@@H](C(C)(C)C)C)C(N3[C@@H](C[C@@H](O)C3)C(N[C@H](C4=CC=C(C5=C(N=CS5)C)C=C4)C)=O)=O)C=C2F)C6=C(C7=CC=CC=C7N6)C[C@H]1C

Caution: Product has not been fully validated for medical applications. For research use only.

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