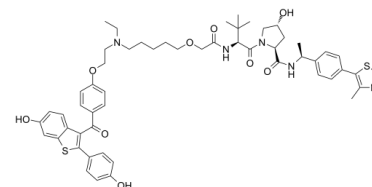


Data Sheet

Product Name:	ERD-308
Cat. No.:	CS-0096021
CAS No.:	2320561-35-9
Molecular Formula:	C ₅₅ H ₆₅ N ₅ O ₉ S ₂
Molecular Weight:	1004.26
Target:	Estrogen Receptor/ERR; PROTACs
Pathway:	Others; PROTAC
Solubility:	DMSO : 50 mg/mL (49.79 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

ERD-308 is a highly potent **von Hippel-Lindau**-based PROTAC degrader of **estrogen receptor (ER)** for ER positive breast cancer treatment. ERD-308 induces >95% of ER degradation at concentrations as low as 5 nM in both cell lines (**DC₅₀** (concentration causing 50% of protein degradation) of 0.17 nM and 0.43 nM in MCF-7 and T47D ER+ cells, respectively)^[1]. IC₅₀ & Target: DC₅₀: 0.17 nM (ER in MCF-7 cells), 0.43 nM (ER in T47D ER+ cells)^[1].

References:

[1]. Hu J, et al. Discovery of ERD-308 as a Highly Potent Proteolysis Targeting Chimera (PROTAC) Degradator of Estrogen Receptor (ER). J Med Chem. 2019 Feb 14;62(3):1420-1442.

CAIndexNames:

(2S,4R)-1-((S)-2-(2-((5-(Ethyl(2-(4-(6-hydroxy-2-(4-hydroxyphenyl)benzo[b]thiophene-3-carbonyl)phenoxy)ethyl)amino)pentyl)oxy)acetamido)-3,3-dimethylbutanoyl)-4-hydroxy-N-((S)-1-(4-(4-methylthiazol-5-yl)phenyl)ethyl)pyrrolidine-2-carboxamide

SMILES:

O=C(C1=C(C2=CC=C(O)C=C2)SC3=CC(O)=CC=C13)C4=CC=C(OCCN(CCCCCOCC(N[C@@H](C(C)(C)C)C(N5[C@H](C(N[C@@H](C)C6=CC=C(C7=C(C)N=CS7)C=C6)=O)C[C@@H](O)C5)=O)CC)C=C4

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA