

PROTAC ERRalpha Degrader-3 Biochemical

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CATALOG #
AAA228310

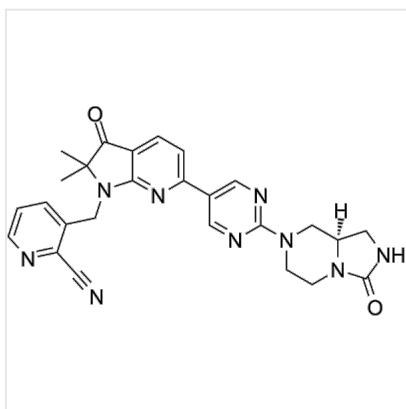
PRODUCT SYNONYMS

PROTAC ERRalpha Degrader-3; PROTAC ERRalpha Degrader-3 biochemical

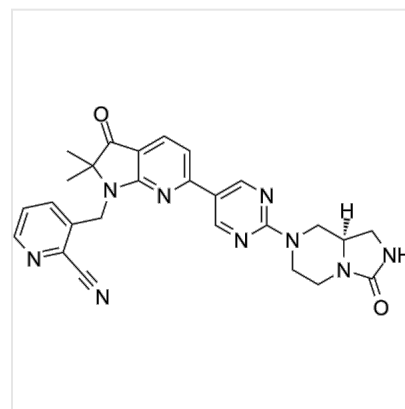
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2306388-65-6
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	PROTAC ERRalpha Degrader-3 (compound 6c; 0.3 nM-10 uM; 4 hours) dose-dependently induces ERRalpha degradation with an efficacious dose as low as 3.0 nM at 4.0 h. PROTAC ERRalpha Degrader-3 potently decreases protein levels of ERRalpha downstream target genes, e.g., ATP5B, medium-chain acyl CoA dehydrogenase (MCAD), and pyruvate dehydrogenase kinase 4 (PDK4) in the MDA-MB-231 cells after a 24 h treatment[1]. PROTAC ERRalpha Degrader-3 exhibits an IC 50 value of 12.67 nM to block the protein-protein interaction of ERRalpha with PGC-1alpha peptide and induces approximately 96% protein degradation at 100 nM (D100 nM) after 4.0 h treatment[1]. Western Blot Analysis[1]Cell Line: MDA-MB-231 cells Concentration: 0.3 nM, 1 nM, 3 nM, 10 nM, 30 nM, 100 nM, 300 nM, 1 uM, 3 uM, 10 uM Incubation Time: 4 hours. Result: Dose-dependently induced ERRalpha degradation.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
TNF-alpha-IN-6, CAS 2699704-20-4



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ADDITIONAL INFORMATION

Related Product Information for PROTAC ERRalpha Degrader-3 biochemical

PROTAC ERRalpha Degrader-3 is a potent and selective ERRalpha degrader based on von Hippel-Lindau ligand. PROTAC ERRalpha Degrader-3 is capable of specifically degrading ERRalpha protein by 80% at a concentration of 30 nM. PROTAC ERRalpha Degrader-3 is inactive against ERRbeta and ERRgamma proteins.

References

1. Dietrich JD, et al. Development of Orally Efficacious Allosteric Inhibitors of TNFalpha via Fragment-Based Drug Design. J Med Chem. 2021 Jan 14;64(1):417-429.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/protac-erralpha-degrader-3/228310>