

FAM-DEALA-Hyp-YIPD

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

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

FAM-DEALA-Hyp-YIPD is a fluorescent HIF-1 α peptide (Kd= 180-560 nM) used to assess VHL binding in Fluorescence Polarization (FP) displacement assays and evaluate the effect of VHL binding on degradation activity. It has an excitation maximum of 485 nm and an emission maximum of 535 nm. A longer peptide version, FAM-DEALAHypYIPMDDDFQLRSF, is also available.

Reference

Buckley et al (2012) Targeting the von Hippel-Lindau E3 ubiquitin ligase using small molecules to disrupt the VHL/HIF-1 α interaction. J.Am.Chem.Soc. 134 4465 PMID: 22369643

Lucas et al (2018) Surface probing by fragment-based screening and computational methods identifies ligandable pockets on the von Hippel-Lindau (VHL) E3 ubiquitin ligase. J.Med.Chem. 61 7387 PMID: 30040896

Roy et al (2019) SPR-measured kinetics of PROTAC ternary complexes influence target degradation rate. ACS Chem.Biol. 14 361 PMID: 30721025

Crews et al (2018) Identification and characterization of von Hippel-Lindau-recruiting Proteolysis Targeting Chimeras (PROTACs) of TANK-binding kinase 1. J.Med.Chem. 61 583 PMID: 28692295

Ahn et al (2009) HIF-1 α peptide derivatives with modifications at the hydroxyproline residue as activators of HIF-1 α . Bioorg.Med.Chem.Lett. 19 4403 PMID: 19515556

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