

BODIPY FL VH032

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Appearance: no data available

Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	BODIPY FL VH032 is a high-affinity VHL fluorescent probe ($K_d = 3.01$ nM) with application in time-resolved fluorescence resonance energy-transfer (TR-FRET) assays for high-throughput identification and characterization of VHL ligands. BODIPY FL VH032 consists of a derivative of von Hippel-Lindau (VHL) ligand VH 032 and a fluorophore BODIPY FL (with excitation peak at 504 nm and emission peak at 520 nm), joined by a polyethylene glycol (PEG) 4 linker. The BODIPY FL VH032 VHL TR-FRET signal is stable through the 90 - 300 min incubation time, and the TR-FRET binding assay is sensitive, selective and resistant to assay interference. BODIPY FL VH032 also exhibits high VHL affinity in a fluorescence polarization (FP) assay. Excitation maximum ~ 504 nm; emission maximum ~ 520 nm.
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Reference

Lin et al (2020) Development of BODIPY FL VH032 as a high-affinity and selective von Hippel-Lindau E3 ligase. ACS Omega 6 680 PMID: 33458521

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