

BODIPY FL VH032

Chemical Properties

CAS No. : 2770675-66-4

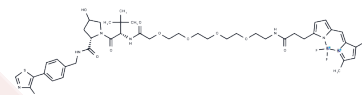
Formula: C46H62BF2N7O9S

Molecular Weight: 937.9

Keep away from direct sunlight

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	BODIPY FL VH032 is a high-affinity VHL fluorescent probe (Kd= 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.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0662 mL	5.3311 mL	10.6621 mL
5 mM	0.2132 mL	1.0662 mL	2.1324 mL
10 mM	0.1066 mL	0.5331 mL	1.0662 mL
50 mM	0.0213 mL	0.1066 mL	0.2132 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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