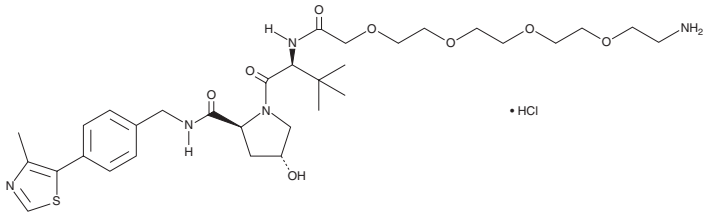
PRODUCT INFORMATION

VH 032 Linker 2

Item No. 26149

CAS Registry No.:	2064292-52-8
Formal Name:	(2S,4R)-1-((S)-17-amino-2-(*tert*-butyl)-4-oxo-6,9,12,15-tetraoxa-3-azaheptadecanoyl)-4-hydroxy-N-(4-(4-methylthiazol-5-yl)benzyl)pyrrolidine-2-carboxamide, monohydrochloride
Synonym:	E3 Ligase Ligand-Linker Conjugate 7
MF:	$C_{32}H_{49}N_5O_8S$ • HCl
FW:	700.3
Purity:	≥98%
UV/Vis.:	λ_{max}: 271 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

VH 032 Linker 2 is supplied as a crystalline solid. A stock solution may be made by dissolving the VH 032 linker 2 in the solvent of choice. VH 032 linker 2 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of VH 032 linker 2 in ethanol is approximately 0.7 mg/ml and 1.1 mg/ml in DMSO and DMF.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of VH 032 linker 2 can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of VH 032 linker 2 in PBS, pH 7.2, is approximately 5 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

VH 032 Linker 2 is a derivative of the proteolysis-targeting chimera technology (PROTAC) building block VHL ligand 1 (Item No. 21591). VH 032 Linker 2 comprises the von Hippel-Lindau (VHL) ligand domain and the polyethylene glycol (PEG) linker of the bromodomain and extra terminal (BET) inhibitor-containing PROTACs MZ2 and MZP-55.[1]

Reference

1. Chan, K.H., Zengerle, M., and Ciulli, A. Impact of target warhead and linkage vector on inducing protein degradation: Comparison of bromodomain and extra-terminal (BET) degraders derived from triazolodiazepine (JQ1) and tetrahydroquinoline (I-BET726) BET inhibitor scaffolds. *J. Med. Chem.* **61(2)**, 504-513 (2018).

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