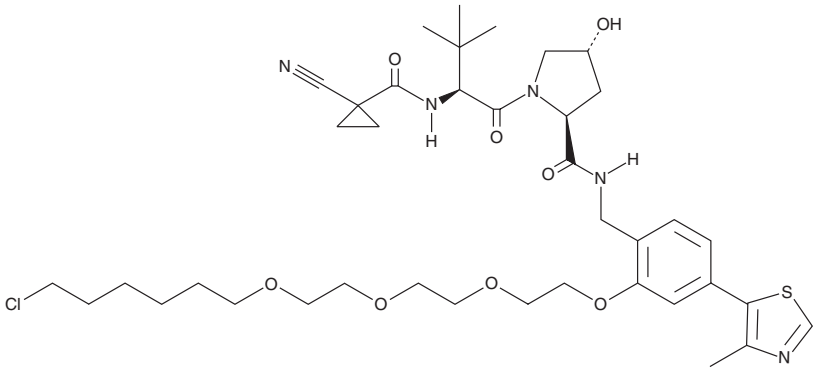
PRODUCT INFORMATION

HaloPROTAC-E

Item No. 46000

CAS Registry No.: 2365478-58-4
Formal Name: (2S,4R)-N-(2-(2-(2-(2-((6-chlorohexyl)oxy)ethoxy)ethoxy)ethoxy)-4-(4-methylthiazol-5-yl)benzyl)-1-((S)-2-(1-cyanocyclopropane-1-carboxamido)-3,3-dimethylbutanoyl)-4-hydroxypyrrolidine-2-carboxamide
Synonym: HaloProteolysis-targeting Chimera E
MF: $C_{39}H_{56}ClN_5O_8S$
FW: 790.4
Purity: ≥95%
Supplied as: A 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

HaloPROTAC-E is supplied as a solid. A stock solution may be made by dissolving the HaloPROTAC-E in the solvent of choice, which should be purged with an inert gas. HaloPROTAC-E is slightly soluble (0.1-1 mg/ml) in ethanol.

Description

HaloPROTAC-E is a proteolysis-targeting chimera (PROTAC) composed of the von Hippel-Lindau inhibitor VH 298 (Item No. 21133) conjugated to a chloroalkane moiety, which forms a covalent bond with the engineered bacterial dehalogenase HaloTag7 on fusion proteins.[1] It induces the degradation of Halo-tagged serum/glucocorticoid-regulated kinase 3 (SGK3) and vacuolar protein sorting 34 (VPS34) with half-maximal degradation concentration (DC_{50}) values between 3-10 nM for both. In HEK293 cells expressing Halo-tagged VPS34, HaloPROTAC-E is selective for VPS34 over 9,782 proteins but does induce the degradation of the VPS34 regulatory subunits VPS15, beclin 1, autophagy-related 14 (ATG14), and UV radiation resistance-associated gene protein (UVRAG) at 300 nM.

Reference

1. Tovell, H., Testa, A., Maniaci, C., *et al*. Rapid and reversible knockdown of endogenously tagged endosomal proteins via an optimized HaloPROTAC degrader. *ACS Chem Biol.* **14(5)**, 882-892 (2019).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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