

## Product Data Sheet

Product Name: CP5V  
Cat. No.: GC62181

### Chemical Properties

Cas. No. 2509359-75-3

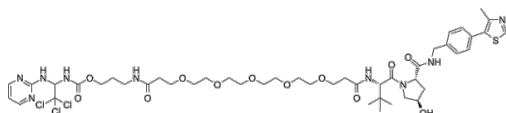
Formula  $C_{46}H_{66}Cl_3N_9O_{12}S$  M.Wt 1075.49

Solubility DMSO : 150 mg/mL (139.47 mM; Need ultrasonic) Storage Store at -20°C, stored under nitrogen

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

CP5V is a PROTAC, which specifically degrades Cdc20 by linking Cdc20 to the VHL/VBC complex for ubiquitination followed by proteasomal degradation. CP5V induces mitotic inhibition and suppresses cancer cell proliferation[1].

CP5V comprises a Cdc20 ligand and VHL binding moiety bridged by a PEG5 linker that induces Cdc20 degradation. CP5V induces degradation of Cdc20 leading to significant inhibition of breast cancer cell proliferation and resensitization of Taxol-resistant cell lines[1]. CP5V profoundly degrades

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Cdc20 in both MCF7 and MDA-MB-231 cells with DC50 being approximately 1.6  $\mu$ M[1].

[1]. Chi JJ, et al. A novel strategy to block mitotic progression for targeted therapy. EBioMedicine. 2019 Oct 25. pii: S2352-3964(19)30677-2.

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