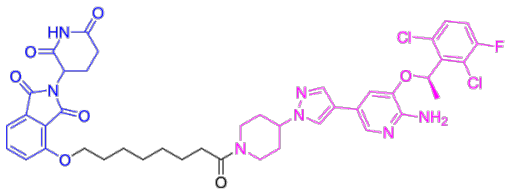
Product Data Sheet

Product Name: PRO-6E
Cat. No.: GC73881

Chemical Properties

Cas. No.	2353493-69-1		
Formula	$C_{42}H_{44}Cl_2FN_7O_7$	M.Wt	848.75
Solubility	DMSO : ≥ 100 mg/mL (117.82 mM)	Storage	-20°C
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

PRO-6E is an oral active PROTAC based on Cereblon ligand, and induces the degradation of MET with maximum degradation of 81.9% at 1 μM in MKN-45 cells. PRO-6E inhibits tumor growth in vivo and in vitro. PRO-6E induces cell apoptosis and induces cell arrest (Sturcture Note:(Blue: Cereblon ligand , Black: linker ; Pink: ALK/c-Met inhibitor Crizotinib).

PRO-6E (0.03-10 μM; 48 h) inhibits the cell growth in MKN-45, SNU-638 cells[1].PRO-6 E (1 μM; over 24 h) facilitates MET degradation in MKN-45 cells[1].PRO-6 E (0.1-1 μM; 48 h) increase in the percentage of G2/M phase cells and decrease in the percentage of S phase cells in MKN-45 cells[1].

Caution: Product has not been fully validated for medical applications. For research use only.
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PRO-6E (oral gavage; 30 mg/kg/day for 15 days) inhibits tumor growth in MKN-45 cell-derived xenograft tumor model[1].

References:

[1]. Chen JJ, et al. Crizotinib-based proteolysis targeting chimera suppresses gastric cancer by promoting MET degradation. Cancer Sci. 2023;114(5):1958-1971.

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