Product Data Sheet

Product Name: PROTAC EGFR degrader 7 diTFA
Cat. No.: GC73142

Chemical Properties

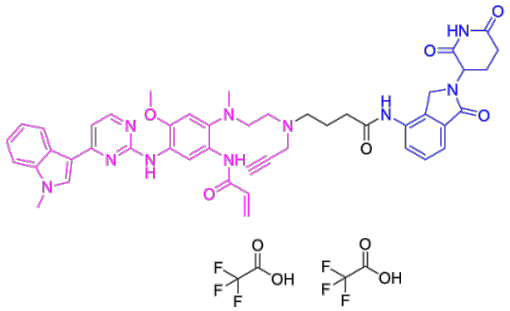
Cas. No.

Formula	$C_{50}H_{50}F_6N_{10}O_{10}$	M.Wt	1064.98
Solubility	DMSO : 100 mg/mL (93.90 mM; Need ultrasonic)	Storage	-20°C, sealed storage, away from moisture and light

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

PROTAC EGFR degrader 7 (compound 13b) is a potent and selective CRBN-recruiting PROTAC EGFRL858R/T790M degrader, with a DC50 of 13.2 nM.PROTAC EGFR degrader 7 inhibits NCI-H1975 cells proliferation, with an IC50 of 46.82 nM.PROTAC EGFR degrader 7 significantly induces apoptosis and G2/M phase arrest in NCI-H1975 cell.PROTAC EGFR degrader 7 shows antitumor activity, and can be used for non-small cell lung cancer (NSCLC) research.

References:

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. Zhang W, et al. Discovery of highly potent and selective CRBN-recruiting EGFRL858R/T790M degraders in vivo. Eur J Med Chem. 2022 Aug 5;238:114509.