

Product Data Sheet

Product Name: PROTAC GPX4 degrader-5

Cat. No.: GC81638

Chemical Properties

Cas. No. 3119292-91-7

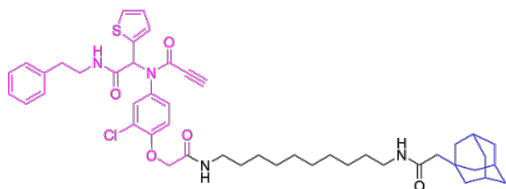
Formula $C_{47}H_{59}ClN_4O_5S$ M.Wt 827.51

Solubility DMSO: 100 mg/mL (120.84 mM; Need ultrasonic) Storage Store at 4°C, protect from 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 GPX4 degrader-5 (compound N15) is an efficient and highly selective PROTAC GPX4 degrader ($DC_{50} = 28$ nM). PROTAC GPX4 degrader-5 can induce ferroptosis and has low toxicity to normal cells. PROTAC GPX4 degrader-5 can significantly increase ROS. PROTAC GPX4 degrader-5 exerts anti proliferative effects on various tumor cells. PROTAC GPX4 degrader-5 is commonly used

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

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in cancer research [1]. (Pink: GPX4 ligand; Blue: Others ligand; Black: linker).

References:

[1]. Ning Y, et al. Design, synthesis, and biological evaluation of ML162-based glutathione peroxidase 4 (GPX4) degraders with hydrophobic tags. Eur J Med Chem. 2026 Jan 5;301:118269.

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