

Product Data Sheet

Product Name: PROTAC DYRK2 degrader-2

Cat. No.: GC81300

Chemical Properties

Cas. No. 3061366-74-0

Formula $C_{42}H_{43}Cl_2N_5O_9$

M.Wt 832.72

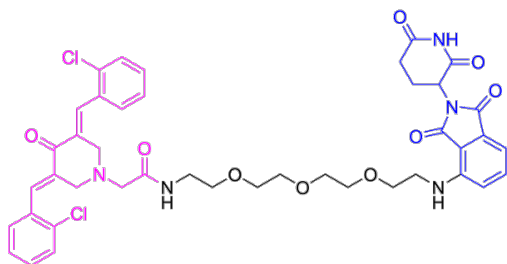
Solubility

Storage Store at -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

PROTAC DYRK2 degrader-2 is a PROTAC DYRK2 degrader based on curcumin analog A3. It recruits the CRBN E3 ligase to mediate DYRK2 ubiquitination and achieves degradation via the ubiquitin-proteasome system. PROTAC DYRK2 degrader-2 downregulates the expression level of DYRK2 protein in cancer cells. It is applicable to cancer-related research [1]. (Pink: DYRK2 ligand; Blue: Cereblon ligand; Black: linker).

In Vitro, PROTAC DYRK2 degrader-2 (CP124) (5-10 µM; 24 h) reduces the DYRK2 protein abundance in HeLa cervical cancer cells, and its degradation activity is weaker than that of CP134, a

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compound from the same series^[1].

References:

[1]. Chen J, et al. Discovery of the First Potent DYRK2 Proteolysis Targeting Chimera Degradable. ACS medicinal chemistry letters. 2024 May 09;15(5):659-666.

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