

Product Data Sheet

Product Name: PROTAC CDK4/6 degrader 1

Cat. No.: GC74050

Chemical Properties

Cas. No. 3025082-14-5

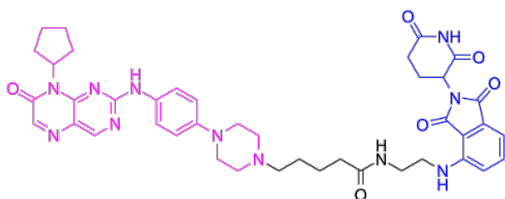
Formula $C_{41}H_{47}N_{11}O_6$ M.Wt 789.88

Solubility DMSO : 100 mg/mL (126.60 mM; Storage -20°C, protect from light
Need ultrasonic)

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 CDK4/6 degrader 1 (Compound 7f) is a dual degrader for CDK4 and CDK6 with DC50 of 10.5 and 2.5 nM. PROTAC CDK4/6 degrader 1 inhibits the proliferation of cell Jurkat (IC50 is 0.18 μ M), arrests the cell cycle at G1 phase and induces apoptosis. (Pink: ligand for target protein YY173

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

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; Black: linker ; Blue: ligand for E3 ligase)

References:

[1]. He H, et al., Development of Degraders of Cyclin-Dependent Kinases 4 and 6 Based on Rational Drug Design. J Med Chem. 2024 Jul 11;67(13):11354-11364.

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