

Product Data Sheet

Product Name: PROTAC CDK2/4 Degradar-1

Cat. No.: GC80893

Chemical Properties

Cas. No.

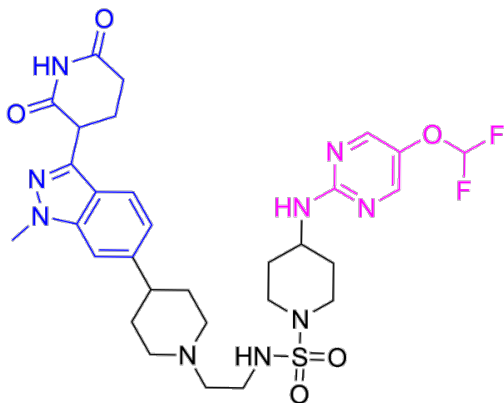
Formula $C_{30}H_{39}F_2N_9O_5S$ M.Wt 675.75

Solubility DMSO: 100 mg/mL (147.98 mM; Need ultrasonic) 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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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PROTAC CDK2/4 Degradator-1 is a PROTAC degrader of cyclin-dependent kinase 2 (CDK2) and cyclin-dependent kinase 4 (CDK4). PROTAC CDK2/4 Degradator-1 induces degradation via the ubiquitin-proteasome pathway. PROTAC CDK2/4 Degradator-1 can be used in cancer research [1]. (Pink: CDK2 and CDK4 ligand; Blue: Cereblon ligand; Black: linker).

In Vitro, PROTAC CDK2/4 Degradator-1 (compound 5) (24 h) effectively inhibits the kinase activity of CDK2 and CDK4 at the cellular level, showing stronger inhibitory activity against CDK4 (Class AA, < 1 nM)[1].

References:

[1]. Yu Z. Bifunctional compounds containing 2,5-substituted pyrimidine derivatives for degrading cyclin-dependent kinase 2 and/or cyclin-dependent kinase 4 via ubiquitin proteasome pathway. WO2025240536 A1. 2025 Nov 20.

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