

Product Data Sheet

Product Name: PROTAC SMARCA2 degrader-35

Cat. No.: GC81514

Chemical Properties

Cas. No. 3032998-97-0

Formula $C_{39}H_{38}F_3N_9O_5$

M.Wt 769.77

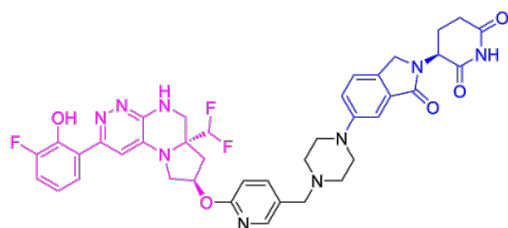
Solubility

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 SMARCA2 degrader-35 (Compound 43) is a selective SMARCA2 PROTAC degrader with a $DC_{50} < 0.1 \mu M$ for SMARCA2. PROTAC SMARCA2 degrader-35 has anticancer activity and regulates cancer cell proliferation and growth through cell cycle arrest and DNA replication inhibition in SMARCA4-deleted cancer cells [1] [2]. (Pink: SMARCA2 Target protein ligand; Blue: E3 ligase ligand; Black: linker).

In Vitro, SMARCA2 and SMARCA4 are the core catalytic subunits of the SWUSNF complexes, which play an important role in controlling gene expression by remodeling chromatin. SMARCA4 is mutated

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

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in multiple cancers and SMARCA4 -deficient cancer cells can become highly dependent on SMARCA2 for their survival. Therefore, targeting SMARCA2 in SMARCA4 -deleted cancers using selective SMARCA2 degraders induces synthetic lethality, while sparing SMARCA4 wild-type normal cells.

References:

[1]. Corey H B, et al. BRM Targeting Compounds And Associated Methods Of Use.

US20240165244A1. 2024-05-23.

[2]. Ito K, et al. Combination treatment regimens - smarca2 degrader with taxane anticancer agent.

WO2025194059A1. 2025-09-18.

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