

Product Data Sheet

Product Name: PIK5-12d

Cat. No.: GC73606

Chemical Properties

Cas. No.

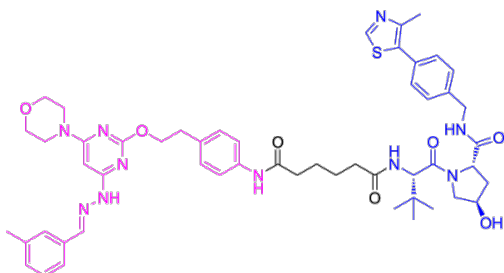
Formula $C_{52}H_{64}N_{10}O_7S$ M.Wt 973.19

Solubility DMSO : 200 mg/mL (205.51 mM; Storage -20°C
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



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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Background

PIK5-12d is a PROTAC PIKfyve degrader (DC50: 1.48 nM). PIK5-12d induces massive cytoplasmic vacuolization and blocks autophagic flux in multiple prostate cancer cells. PIK5-12d inhibits prostate cancer cell proliferation. PIK5-12d has anti-tumor activity.

References:

[1]. Li C, et al. Discovery of a First-in-Class Degradar for the Lipid Kinase PIKfyve. J Med Chem. 2023 Sep 14;66(17):12432-12445.

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