

Product Data Sheet

Product Name: PROTAC TG2 degrader-2

Cat. No.: GC73547

Chemical Properties

Cas. No.

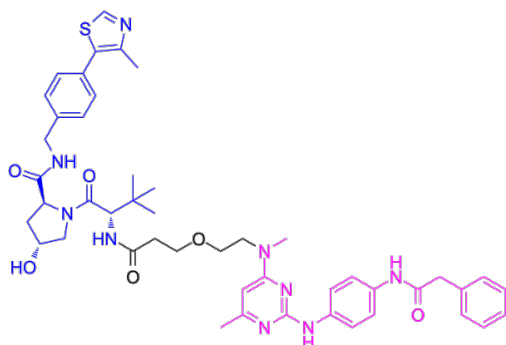
Formula $C_{47}H_{57}N_9O_6S$ M.Wt 876.08

Solubility DMSO : ≥ 100 mg/mL (114.14 mM) Storage 4°C , protect from light

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 TG2 degrader-2 (compound 7) is a selective, competitive degrader targeting Transglutaminase 2 (TG2), with $K_d > 100$ μM . PROTAC TG2 degrader-2 inhibits the cell migration and decreases the level of TG2 in ovarian cancer cells. PROTAC TG2 degrader-2 can be used for ovarian cancer study.

PROTAC TG2 degrader-2 (Compound 7) (10 μM , up to 24h) inhibits the migration of OVCAR5 and SKOV3 cell lines in both wound-healing assays and transwell migration assays[1]. PROTAC TG2 degrader-2 (10 μM) reduces the adhesion of OVCAR5 and SKOV3 cells to fibronectin[1]. PROTAC

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

Product Data Sheet

TG2 degrader-2 (up to 10 μ M, 6 h) reduces the level of Transglutaminase 2(TG2) within 6 h in a concentration-dependent manner in both OVCAR5 and SKOV3 cells[1].

References:

[1]. Valdivia A, et al. Discovery and Characterization of PROTACs Targeting Tissue Transglutaminase (TG2). J Med Chem. 2023;66(14):9445-9465.
doi:10.1021/acs.jmedchem.2c01859Valdivia A, Vagadia PP, Guo G, O'Brien E, Matei D, Schiltz GE. Discovery and Characterization of PROTACs Targeting Tissue Transglutaminase (TG2). J Med Chem. 2023;66(14):9445-9465. doi:10.1021/acs.jmedchem.2c01859

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