

Product Data Sheet

Product Name: PROTAC(H-PGDS)-7

Cat. No.: GC49728

Chemical Properties

Cas. No. 2761281-50-7

SMILES O=C(N1CCN(C2=C(C(N(C3C(NC(CC3)=O)=O)C4=O)=O)C4=CC=C2)CC1)C(CC5)CCN5C6=CC=C(NC(C7=CN=C(OC8=CC=CC=C8)N=C7)=O)C=C6

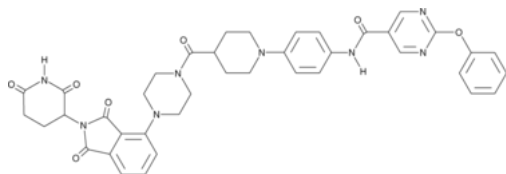
Formula C₄₀H₃₈N₈O₇ M.Wt 742.8

Solubility DMSO: 10 mg/ml Storage -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure



Background

PROTAC(H-PGDS)-7 is a proteolysis-targeting chimera (PROTAC) comprised of the hematopoietic prostaglandin D synthase (H-PGDS) inhibitor TFC-007 and the cereblon inhibitor pomalidomide .¹ It induces degradation of H-PGDS in KU812 cells with a 50% degradation concentration (DC₅₀) value of 17.3 pM, as well as decreases the production of prostaglandin D₂ (PGD₂) in the same cells.

1.Yokoo, H., Shibata, N., Endo, A., et al. Discovery of a highly potent and selective degrader targeting hematopoietic prostaglandin D synthase via in silico design J. Med. Chem. 64(21)15868-15882(2021)

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

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