

Product Data Sheet

Product Name: LYPLAL1-IN-1

Cat. No.: GC36518

Chemical Properties

Cas. No. 1966129-74-7

SMILES O=C([C@H]1[C@H](C2=CC=CC=C2)N(C(N3N=C(C4=CC=C(C5=CN=C(N6CCOCC6)N=C5)C=C4)N=C3)=O)CCC1)O

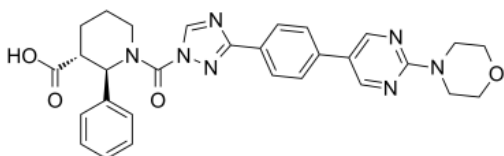
Formula $C_{29}H_{29}N_7O_4$ M.Wt 539.59

Solubility Soluble in DMSO Storage 4°C , sealed storage, away from moisture and 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

LYPLAL1-IN-1 (Compound 11) is a selective covalent small-molecule inhibitor of Lysophospholipase-like 1 (LYPLAL1) with an IC_{50} of $0.006\ \mu\text{M}$. LYPLAL1-IN-1 increases glucose production[1]. IC_{50} : $0.006\ \mu\text{M}$ (LYPLAL1-IN-1)[1]

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

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[1]. Ahn K, et al. Discovery of a Selective Covalent Inhibitor of Lysophospholipase-like 1 (LYPLAL1) as a Tool to Evaluate the Role of this Serine Hydrolase in Metabolism. ACS Chem Biol. 2016 Sep 16;11(9):2529-40.

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