
Product Data Sheet

Product Name: TC KHNS 11

Cat. No.: GC50332

Chemical Properties

Cas. No. 1431540-99-6

SMILES O=C(N1CCN(C(C)=O)CC1)C2=CC=CC(C3=NC=NC(C=C4)=C3C=C4C(C=C5C#N)=CN=C5OC)=C2Formula $C_{28}H_{24}N_6O_3$

M.Wt

492.53

Solubility Soluble in DMSO

Storage

Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic tips 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 blue ice Condition upon request.

Structure

Background

Potent and selective PI 3-kinase δ inhibitor (biochemical IC₅₀ values are 9, 262, 1650 and 4630 nM for PI 3-K δ , PI 3-K α , PI 3-K β and PI 3-K γ , respectively; cellular IC₅₀ values are 49, 3440 and 6530 nM for PI 3-K δ , PI 3-K α and PI 3-K β , respectively). Selective for PI 3-K δ over a panel of lipid and protein kinases. Inhibits B-cell function. Exhibits moderate oral bioavailability in vivo.

Hoegenauer et al (2016) Discovery and pharmacological characterization of novel quinazoline-based PI3K delta-selective inhibitors. ACS Med.Chem.Lett. 7 762 PMID:27563400

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

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