
Product Data Sheet

Product Name: PI3K-IN-6
Cat. No.: GC36908

Chemical Properties

Cas. No. 1842380-77-1

SMILES FC1=CC(Cl)=C(N=C([C@@H](NC2=C(Cl)C(N)=NC(N)=N2)C)N(C3=NNC=C3)C4=O)C4=C1

Formula $C_{17}H_{14}Cl_2FN_9O$ M.Wt 450.26

Solubility Soluble in DMSO Storage Store at -20°C

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 sizes: ship with RT, or blue ice upon request.

Structure

Background

PI3K-IN-6 (compound 20a) is an oral active and highly selective phosphoinositide 3-kinase (PI3K) β/δ inhibitor, with IC₅₀ values of 7.8 nM/5.3 nM for PI3K β/δ , respectively. PI3K-IN-6 (compound 20a) has potential to treat phosphatase and tensin homolog (PTEN) deficient tumors [1]. PI3K β |7.8 nM (IC₅₀)|PI3K δ |5.3 nM (IC₅₀)|PI3K α |850 nM (IC₅₀)

[1]. Perreault S, et al. Discovery of a Phosphoinositide 3-Kinase (PI3K) β/δ Inhibitor for the Treatment of Phosphatase and Tensin Homolog (PTEN) Deficient Tumors: Building PI3K β Potency in a PI3K δ -Selective Template by Targeting Nonconserved Asp856. J Med Chem. 2017 Feb 23;60(4):1555-1567.

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