
Product Data Sheet

Product Name: CX08005

Cat. No.: GC50357

Chemical Properties

Cas. No. 1256341-22-6

SMILES CCCCCCCCCCCCCOC1=C(C=CC=C1)NC(C2=C(C(O)=O)C=CC=C2)=OFormula C₂₈H₃₉N₀₄ M.Wt 453.61

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

Structure **Background**

Competitive PTP1B inhibitor (IC₅₀ = 0.781 μM). Binds catalytic P-loop of enzyme. Improves insulin sensitivity in obese mice in the glucose tolerance test and the homeostasis model assessment of insulin resistance index (HOMA-IR). Enhances insulin-induced glucose uptake in adipocytes and myotubes in vitro. Exhibits some selectivity for PTP1B over other protein tyrosine phosphatases, except TCPTP.

Zhang et al (2016) A novel protein tyrosine phosphatase 1B inhibitor with therapeutic potential for Ins resistance. Br.J.Pharmacol. 173 1939 PMID:26990621

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