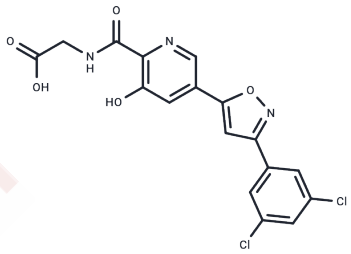
Data Sheet (Cat.No.T200939)

TargetMol

ZG-2305

Chemical Properties



CAS No. : 2962103-54-2

Formula: C17H11Cl2N3O5

Molecular Weight: 408.19

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	ZG-2305 is a selective, orally active inhibitor of FIH with Ki values of 79.6 nM and 2786 nM for FIH and PHD2, respectively. It increases EGLN3 gene expression, reduces cellular triglyceride levels, and decreases lipid accumulation, making it suitable for obesity and fatty liver disease research.
Targets(IC50)	HIF
In vivo	ZG-2305 reversed weight gain and hepatic steatosis abnormalities induced by high-fat obesity in male mice, improving non-alcoholic steatohepatitis-related liver injury, steatosis, inflammation, and fibrosis in an HF-CDAA diet-induced NASH model [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4498 mL	12.2492 mL	24.4984 mL
5 mM	0.490 mL	2.4498 mL	4.8997 mL
10 mM	0.245 mL	1.2249 mL	2.4498 mL
50 mM	0.049 mL	0.245 mL	0.490 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wu Y, et al. Discovery of ZG-2305, an Orally Bioavailable Factor Inhibiting HIF Inhibitor for the Treatment of Obesity and Fatty Liver Disease. J Med Chem. 2025;68(1):212-235.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481