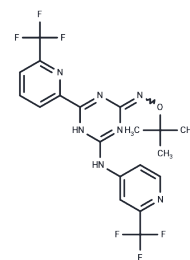


TQ05310

Chemical Properties

CAS No. : 2071196-10-4
 Formula: C₁₉H₁₇F₆N₇O
 Molecular Weight: 473.38
 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	TQ05310 is an orally active inhibitor of mutant IDH2, targeting both IDH2-R140Q (IC ₅₀ =136.9 nM) and IDH2-R172K (IC ₅₀ =37.9 nM) mutations. This compound suppresses the production of 2-hydroxyglutarate (2-HG) by inhibiting the enzymatic activity of mutant IDH2, and induces differentiation in cells expressing IDH2-R140Q and IDH2-R172K. TQ05310 is utilized in research on acute myeloid leukemia.
Targets(IC ₅₀)	Isocitrate Dehydrogenase (IDH)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1125 mL	10.5623 mL	21.1247 mL
5 mM	0.4225 mL	2.1125 mL	4.2249 mL
10 mM	0.2112 mL	1.0562 mL	2.1125 mL
50 mM	0.0422 mL	0.2112 mL	0.4225 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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