

Catalog	Unit
TBI4172-5MG	5 mg
TBI4172-25MG	25 mg

Product Details

Formal Name: 2-Methyl-1-(2-methyl-3-(trifluoromethyl)benzyl)-6-morpholino-1H-benzo[d]imidazole-4-carboxylic acid

Molecular Formula: C₂₂H₂₂F₃N₃O₃

Formula Weight: 433.4

CAS Number: 1372540-25-4

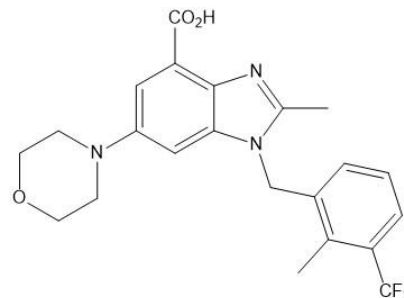
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 20 mg/ml)

Storage: -20°C

Stability: \geq 2 years.



Applications

Selective PI3K β inhibitor

Functions

Potent, selective (>1000-fold over α , 10-fold over δ , and >2000-fold over γ), and orally bioavailable inhibitor of PI3K β (IC₅₀ = 5.2 nM). Active in vitro against multiple types of PTEN-deficient cancer cells. GSK2636771 potently blocked migration and invasion of DU145 prostate cancer cells. GSK2636771 has also been identified as a GPR39 agonist.

Application Procedures

First dissolved in DMSO (20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.