

Quizartinib, Selective FLT3 inhibitor

Catalog	Unit
TBI4813-5MG	5 mg
TBI4813-25MG	25 mg

Product Details

Formal Name: 1-(5-(t-Butyl)isoxazol-3-yl)-3-(4-(7-(2-morpholinoethoxy)benzo[d]imidazo[2,1-b]thiazol-2-yl)phenyl)urea

Alternate Names: AC220

Molecular Formula: C₂₉H₃₂N₆O₄S

Formula Weight: 560.67

CAS Number: 950769-58-1

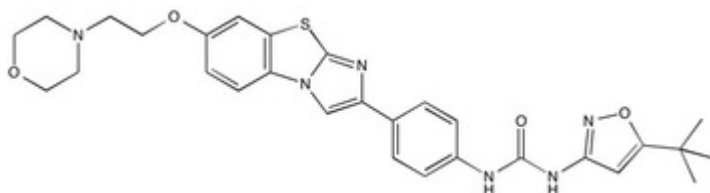
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Selective FLT3 inhibitor

Functions

Quizartinib is a potent and selective inhibitor of FLT3 (K_d = 1.6nM, IC₅₀ = 0.56 nM MV4-11 cells). It is in clinical trials for treatment of Acute Myelogenous Leukemia (AML). Quizartinib priming resulted in prevention of myelosuppression in mice treated with 5-FU and Gemcitabine. Quizartinib showed significant reversal of ABCG2-mediated multidrug resistance (@ 3 μM) via antagonism of drug efflux function.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.