

Ki8751, VEGFR2 inhibitor (potent)

Catalog	Unit
TBI4388-5MG	5 mg
TBI4388-25MG	25 mg

Product Details

Formal Name: N-(2,4-difluorophenyl)-N'-[4-[(6,7-dimethoxy-4-quinolinyl)oxy]-2-fluorophenyl]-urea

Molecular Formula: C₂₄H₁₈F₃N₃O₄

Formula Weight: 469.40

CAS Number: 228559-41-9

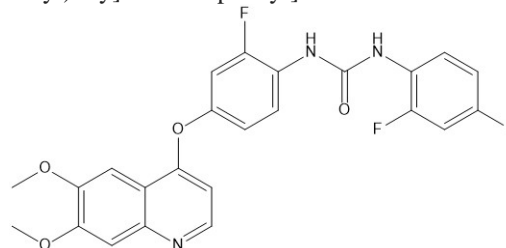
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 15 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

VEGFR2 inhibitor (potent)

Functions

Ki8751 is a very potent (IC₅₀ = 0.9 nM) inhibitor of vascular endothelial growth factor receptor 2 (VEGFR-2). It also inhibited PDGFR α (IC₅₀ = 67 nM), c-Kit (IC₅₀ = 40 nM), and FGFR2 (IC₅₀ = 170 nM). Ki8751 completely suppressed HUVEC growth at 1 nM. Ki8751 completely inhibited tumor growth in LC-6 human tumor xenografts @ 5mg/kg. Ki8751 displayed anti-influenza A and B activity via disruption of virus entry in a PDGFR β /GM3-dependent manner.

Application Procedures

First dissolved in DMSO (up to 15 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.