

Catalog	Unit
TBI5064-5MG	5 mg
TBI5064-25MG	25 mg

Product Details

Formal Name: 3-(2-Imidazo[1,2-b]pyridazin-3-ylethynyl)-4-methyl-N-[4-[(4-methyl-1-piperazinyl)methyl]-3-(trifluoromethyl)phenyl]-benzamide

Alternate Names: AP-24534

Molecular Formula: C₂₉H₂₇F₃N₆O

Formula Weight: 532.56

CAS Number: 943319-70-8

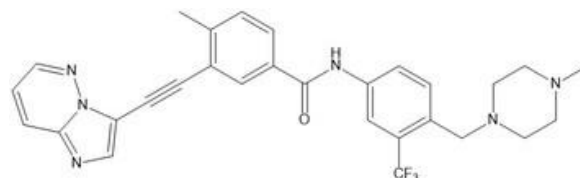
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 50 mg/ml); or Ethanol (25 mg/ml, warm)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Pan-Bcr-Abl and multikinase inhibitor

Functions

Highly potent pan-Bcr-Abl and multikinase inhibitor, suppressing the activity of native Bcr-Abl (IC₅₀=0.37 nM) as well as the mutants T315I (IC₅₀=2 nM), Q252H (IC₅₀=0.44 nM), Y253F (IC₅₀=0.3 nM), M351T (IC₅₀=0.3 nM) and H396P (IC₅₀=0.34 nM). Also inhibits PDGFR α , c-Src and c-Kit (IC₅₀=1.1, 5.4 and 12.5 nM respectively) as well as FGFR-mediated signaling (IC₅₀<40 nM). Protects against influenza A virus-induced death by suppressing cytokine storm in mouse models.

Application Procedures

First dissolved in DMSO (up to at least 50 mg/ml); or Ethanol (25 mg/ml, warm), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

For research use only.