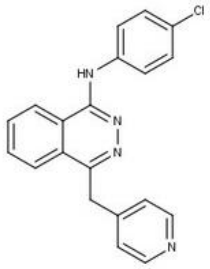
Tribioscience

Vatalanib 2HCl, VEGFRK inhibitor

Catalog	Unit
TBI2183 - 10MG	10 mg
TBI2183 - 50MG	50 mg

Product Details

Formal Name: N-(4-Chlorophenyl)-4-(4-pyridinylmethyl)-1-phthalazinamine dihydrochloride
Alternate Names: CGP-79787; PTK-787; ZK222584
Molecular Formula: C20H15ClN4 • 2HCl
Formula Weight: 419.73
CAS Number: 212141-51-0
Purity: >98%
Formulation: Powder
Solubility: Soluble in DMSO (up to 20 mg/ml) or in Water (up to 20 mg/ml).
Storage: RT
Stability: ≥ 2 years.



Applications

VEGFRK inhibitor

Functions

Vatalanib 2HCl (212141-51-0) is a potent, selective inhibitor of the VEGFR tyrosine kinases VEGFR-1 (Flt-1, IC_{50} = 77 nM) and VEGFR-2 (FLK-1/KDR, IC_{50} = 37 nM). Weaker inhibitor of other tyrosine kinases including PDGFR-β (IC_{50} = 580 nM), c-KIT (IC_{50} = 730 nM), FLT-4 (IC_{50} = 660 nM) and c-FMS (IC_{50} = 1.4 μM). Inactive against the EGFR, c-SRC, v-ABL, and protein kinase Cα (IC_{50} > 10 μM). Vatalanib 2HCl inhibits the growth of multiple myeloma cells in the bone marrow microenvironment.

Application Procedures

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

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabline
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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Tribioscience, Inc. | 365 San Aleso Ave, Sunnyvale, CA 94085 | Phone: 408-498-0197
info@tribioscience.com Fax: 650-618-5498 www.tribioscience.com