LKT Laboratories, Inc.

Vatalanib Dihydrochloride

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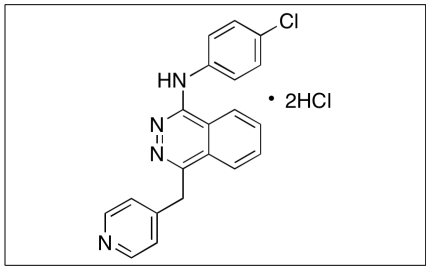
Product Information

Product ID V0376
CAS No. 212141-51-0
Chemical Name



Synonym PTK-787 Dihydrochloride, PTK 787 Dihydrochloride, PTK787 Dihydrochloride, ZK -222584 Dihydrochloride, ZK 222584 Dihydrochloride, ZK222584 Dihydrochloride, CGP-797870 Dihydrochloride, ZK232934 Dihydrochloride

Formula $C_{20}H_{15}ClN_4 \cdot 2HCl$
Formula Wt. 419.73
Melting Point 268-270°C
Purity ≥98%
Solubility

Bulk quanitites available upon request

Product ID	Size
V0376	1 mg
V0376	5 mg
V0376	10 mg
V0376	25 mg

Store Temp Ambient
Ship Temp Ambient

Description Vatalanib is an inhibitor of VEGFR that is currently in clinical trials for the treatment of myelodysplastic syndrome, lymphomas, non-small cell lung cancers (NSCLCs), and other cancers. Vatalanib exhibits anti-angiogenic, anti-metastatic, anticancer chemotherapeutic, and analgesic activities. In animal models with mammary carcinoma allografts, vatalanib decreases tumor vascularization. In animal models of pancreatic carcinoma, vatalanib inhibits tumor growth and metastasis and decreases microvessel density. Additionally, vatalanib decreases chronic neuropathic pain in animal models of chronic constriction injury, as inhibition of VEGFR2 inhibits signaling through neuropathic pain-mediating P2X (2/3) receptors.

References

Gupta P, Mulkey F, Hasserjian RP, et al. A phase II study of the oral VEGF receptor tyrosine kinase inhibitor vatalanib (PTK787/ZK222584) in myelodysplastic syndrome: Cancer and Leukemia Group B study 10105 (Alliance). Invest New Drugs. 2013 Oct;31(5):1311-20. PMID: 23700288.

Liu S, Xu C, Li G, et al. Vatalanib decrease the positive interaction of VEGF receptor-2 and P2X2/3 receptor in chronic constriction injury rats. Neurochem Int. 2012 May;60(6):565-72. PMID: 22361062.

Gauler TC, Besse B, Mauguen A, et al. Phase II trial of PTK787/ZK 222584 (vatalanib) administered orally once-daily or in two divided daily doses as second-line monotherapy in relapsed or progressing patients with stage IIIB/IV non-small-cell lung cancer (NSCLC). Ann Oncol. 2012 Mar;23(3):678-87. PMID: 21617019.

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