

---

**Product Data Sheet**

---

Product Name: PKI 166 hydrochloride

Cat. No.: GC50083

**Chemical Properties**

Cas. No. 2230253-82-2

SMILES OC(C=C3)=CC=C3C2=CC1=C(N[C@@H]([C@]4=CC=CC=C4)C)N=CN=C1N2.ClFormula C<sub>20</sub>H<sub>18</sub>N<sub>4</sub>O.HCl M.Wt 366.84

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Potent EGFR-kinase inhibitor (IC<sub>50</sub> = 0.7 nM). Displays >3000-fold selectivity against a panel of serine/threonine kinases. Reduces metastasis and angiogenesis in a mouse model of pancreatic cancer. Antihypertensive and orally bioavailable.

Bruns et al (2000) Blockade of the epidermal growth factor receptor signaling by a novel tyrosine kinase inhibitor leads to apoptosis of endothelial cells and therapy of human pancreatic carcinoma. Cancer Res. 60 2926 PMID:10850439 |Ulu et al (2013) Epidermal growth factor receptor inhibitor PKI-166 governs cardiovascular protection without beneficial effects on the kidney in hypertensive 5/6 nephrectomized rats.

J.Pharmacol.Exp.Ther. 345 393 PMID:23528611 |Kaspersen et al (2012) Activity of 6-aryl-pyrrolo[2,3-d]pyrimidine-4-amines to Tetrahymena. Bioorg.Chem. 44 35 PMID:22832269

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA