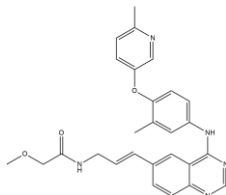


**PRODUCT: CP-724714****ALTERNATE NAMES:** CP 724714, CP724714**CATALOG #:** B1333-5, -25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>27</sub>H<sub>27</sub>N<sub>5</sub>O<sub>3</sub>**MOLECULAR WEIGHT:** 469.53**CAS NUMBER:** 537705-08-1**APPEARANCE:** White to beige solid powder**SOLUBILITY:** DMSO: ≥ 50 mg/ml**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light.

**DESCRIPTION:** CP-724714 is an inhibitor of erbB2 and EGFR kinases with IC<sub>50</sub> values of 10±3 nmol/L and 6,400±2,100 nmol/L, respectively. It selectively binds to the intracellular domain of HER2, reversibly inhibiting its tyrosine kinase activity and resulting in suppression of tumor cell growth. HER2, a member of the epidermal growth factor receptor (EGFR) family, is overexpressed in many adenocarcinomas, particularly breast cancers.

**REFERENCES:** 1. Jitesh P. Jani et al., Cancer Res. 2007 (67): 9887-9893.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

- Herbimycin A (Cat# 2748)
- BIBW2992 (Tovok) (Cat# 1616)
- PF299804 (Cat# 2678)
- Varlitinib (Cat# 2656)
- TX1-85-1 (Cat# B1313)
- TAK 165 (Cat# 1951)
- Neratinib (Cat# 2023)

**USAGE:** *FOR RESEARCH USE ONLY! Not to be used in humans*