**Product Specification Sheet**

**Product Name:** PF-2341066 (Crizotinib)

**Catalog Number:** C7234

**Technical Information:**

- **Chemical Formula:** C21H22Cl2FN5O
- **CAS #:** 877399-52-5
- **Molecular Weight:** 450.34
- **Purity:** > 99%
- **Appearance:** White solid
- **Solubility:** Soluble in DMSO up to 40 mM
- **Chemical Name:** 3-[(R)-1-(2,6-dichloro-3-fluorophenyl)ethoxy]-5-(1-piperidin-4-yl)-1H-pyrazol-4-yl]pyridin-2-amine
- **Storage:** Store solid powder at 4°C desiccated; Store DMSO solution at -20°C.
- **Shelf Life:** In the unopened package, powder is stable for 1 year and DMSO solution is stable for 6 months under proper storage condition.

**Handling:**

- To make 10 mM stock solution, add 0.222mL of DMSO for each mg of PF-2341066 (Crizotinib).
- For DMSO solution, briefly spin the vial at 500 rpm in a 50 mL conical tube to ensure maximum sample recovery.

**Biological Activity:** PF-2341066 (Crizotinib) is an orally-available, ATP-competitive, aminopyridine-based dual inhibitor of c-Met and ALK with IC50 of 11 nM and 24 nM, respectively. [1] A kinase selectivity panel shows that PF-2341066 is selective against most tyrosine and serine-threonine kinases, with modest activity with Ron (IC50, 80 nM). [2] PF-2341066 inhibits c-Met phosphorylation and c-Met-dependent proliferation, migration, and invasion of human tumor cells in vitro at IC50s of 5 to 20 nM.

PF-2341066 has been shown to be effective in osteosarcoma growth [3] and anaplastic large-cell lymphomas [4].

**Reference:**


**To reorder:** [http://www.cellagentech.com/PF-2341066-Crizotinib/](http://www.cellagentech.com/PF-2341066-Crizotinib/)

**For Technical Support:** technical@cellagentech.com

**Chemicals are sold for research use only, not for clinical or diagnostic use.**