

## Product Datasheet

### Ponatinib (orb1305580)

<b>Catalog Number</b>	orb1305580
<b>Category</b>	Small Molecules
<b>Description</b>	Ponatinib is an orally active multi-targeted kinase inhibitor that potently inhibits Abl, PDGFR $\alpha$ , VEGFR2, FGFR1, and Src. It is used in research on chronic myeloid leukemia, demonstrating antitumor activity in both in vitro cellular assays and in vivo xenograft models.
<b>Target</b>	Src,Bcr-Abl,c-Kit,PDGFR,VEGFR,Autophagy,FGFR
<b>Purity</b>	99.74% (May vary between batches)
<b>MW</b>	532.56
<b>Target Areas</b>	Src Autophagy FGFR c-Kit Bcr-Abl PDGFR VEGFR
<b>Solubility (25°C)</b>	10% DMSO+40% PEG300+5% Tween 80+45% Saline:5.33 mg/mL (10.01 mM);DMSO:25 mg/mL (46.94 mM);Ethanol:26.6 mg/mL (49.95 mM)
<b>CAS Number</b>	943319-70-8
<b>Formula</b>	C <sub>29</sub> H <sub>27</sub> F <sub>3</sub> N <sub>6</sub> O
<b>SMILES</b>	C(#CC1=CC(C(NC2=CC(C(F)(F)F)=C(CN3CCN(C)CC3)C=C2)=O)=CC=C1C)C=4N5C(=NC4)C=CC=N5
<b>Storage</b>	Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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