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## Product Datasheet

### Neratinib, CAS [[698387-09-6]]

### FBM-10-3658

Article Name	Neratinib, CAS [[698387-09-6]]
Biozol Catalog Number	FBM-10-3658
Supplier Catalog Number	10-3658
Alternative Catalog Number	FBM-10-3658-20MG, FBM-10-3658-100MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dual EGFR and HER2 inhibitor...
Molecular Weight	557.05
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[698387-09-6]
Formula	C30H29ClN6O3
Application Notes	Neratinib is a potent, irreversible inhibitor of HER2/ErbB2 receptor tyrosine kinase and EGFR kinase (IC50s= 59 nM and 92 nM, respectively). It suppresses receptor autophosphorylation and proliferation, blocks cell-cycle progression and inhibits HER2 signaling in of EGFR-dependent cancer cells and tumor xenograft models. <sup>1</sup> Neratinib inhibits proliferation of gefitinib-resistant non-small cell lung cancer cells expressing mutant EGFR. <sup>2</sup> Synergizes with dasatinib in HER2-positive cancer cells and xenografts. <sup>3</sup> Its been shown to also inhibit MST1 (IC50 = 37.7 nM). <sup>4</sup>