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Product Datasheet

Osimertinib, CAS [[1421373-65-0]]

FBM-10-5036

Article Name	Osimertinib, CAS [[1421373-65-0]]
Biozol Catalog Number	FBM-10-5036
Supplier Catalog Number	10-5036
Alternative Catalog Number	FBM-10-5036-10MG, FBM-10-5036-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mutant EGFR kinase inhibitor...
Molecular Weight	499.62
Purity	>98% by HPLC NMR (Conforms)
Form	Pale-yellow solid
CAS Number	[1421373-65-0]
Formula	C28H33N7O2
Application Notes	Osimertinib is a potent, selective, irreversible inhibitor of mutant EGFR tyrosine kinase. ¹ Osimertinib inhibits phosphorylation of EGFR in T790M-mutant cell lines (IC ₅₀ <15 nM) but was less potent at inhibition of EGFR phosphorylation in wild-type cells (IC ₅₀ s in the range of 480 to 1,865 nM). It produces sustained tumor regression in EGFR-mutant tumor xenograft and transgenic rodent models. ² Tumor cells develop resistance to osimertinib but combination treatment with an IL-6 antibody reverses resistance to a certain extent. ³ In clinical use for treatment of non-small cell lung cancer. ⁴