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Product Datasheet

Rebastinib, CAS [[1020172-07-9]]
FBM-10-4689

Article Name	Rebastinib, CAS [[1020172-07-9]]
Biozol Catalog Number	FBM-10-4689
Supplier Catalog Number	10-4689
Alternative Catalog Number	FBM-10-4689-5MG,FBM-10-4689-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Bcl-Abl1 inhibitor...
Molecular Weight	553.60
Purity	>98% by HPLC NMR (Conforms)
Form	White to off-white solid
CAS Number	[1020172-07-9]
Formula	C30H28FN7O3
Application Notes	Rebastinib is a potent ABL1 kinase inhibitor ($IC_{50} = 0.8 \text{ nM}$) that binds to amino acid residues that are used to switch between active and inactive conformations.¹ It inhibits both phosphorylated and unphosphorylated ABL1 as well as gatekeeper mutant T315I ($IC_{50} = 4 \text{ nM}$). Rebastinib was active against chronic myeloid leukemia Ba/F3 cells expressing BCR-ABL ($IC_{50} = 19 \text{ nM}$) and BCR-ABL T315I ($IC_{50} = 63 \text{ nM}$) and most kinase mutants.² Rebastinib has been reported to inhibit the growth and metastasis of xenografted MDA-MB-231 triple-negative breast cancer cells by targeting AXL/MET.³ It has also been shown to be a potent inhibitor of Tie2 kinase ($IC_{50} = 0.63 \text{ nM}$).⁴ Rebastinib blocked necroptosis via inhibition of RIPK1 and RIPK3.⁵