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## Product Datasheet

**Rebastinib**  
**FBM-10-4689**

Article Name	Rebastinib
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	553.6
Purity	>98% by HPLC NMR (Conforms)
Form	White to off-white solid
CAS Number	[1020172-07-9]
Formula	C30H28FN7O3
Application Notes	<p>Rebastinib is a potent ABL1 kinase inhibitor (IC<sub>50</sub> = 0.8 nM) that binds to amino acid residues that are used to switch between active and inactive conformations.<sup>1</sup> It inhibits both phosphorylated and unphosphorylated ABL1 as well as gatekeeper mutant T315I (IC<sub>50</sub> = 4 nM). Rebastinib was active against chronic myeloid leukemia Ba/F3 cells expressing BCR-ABL (IC<sub>50</sub> = 19 nM) and BCR-ABL T315I (IC<sub>50</sub> = 63 nM) and most kinase mutants.<sup>2</sup> Rebastinib has been reported to inhibit the growth and metastasis of xenografted MDA-MB-231 triple-negative breast cancer cells by targeting AXL/MET.<sup>3</sup> It has also been shown to be a potent inhibitor of Tie2 kinase (IC<sub>50</sub> = 0.63 nM).<sup>4</sup> Rebastinib blocked necroptosis via inhibition of RIPK1 and RIPK3.<sup>5</sup></p>