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Product Datasheet

Alectinib, CAS [[1256580-46-7]] FBM-10-4793

Article Name	Alectinib, CAS [[1256580-46-7]]
Biozol Catalog Number	FBM-10-4793
Supplier Catalog Number	10-4793
Alternative Catalog Number	FBM-10-4793-5MG,FBM-10-4793-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ALK inhibitor...
Molecular Weight	482.62
Purity	99% by HPLC NMr (Conforms)
Form	White solid
CAS Number	[1256580-46-7]
Formula	C30H34N4O2
Application Notes	Alectinib is a potent ($IC_{50} = 1.9 \text{ nM}$) and highly selective ALK inhibitor. ¹ It blocked phosphorylation of both native ALK and the L1196M, C1156Y, and F1174L mutants. Alectinib has also been shown to inhibit RET kinase ($IC_{50} = 4.8 \text{ nM}$), the RET gatekeeper mutations V804L and V804M, and inhibited the growth of RET fusion positive cells. ² Alectinib is clinically useful in the treatment of ALK-positive Non-Small Cell Lung Cancer. It effectively suppressed cell proliferation and induced apoptosis in a mouse neuroblastoma xenograft. ³