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Product Datasheet

Dabrafenib FBM-10-1569

Article Name	Dabrafenib
Biozol Catalog Number	FBM-10-1569
Supplier Catalog Number	10-1569
Alternative Catalog Number	FBM-10-1569-5MG,FBM-10-1569-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	B-Raf mutant inhibitor...
Molecular Weight	519.56
Purity	98% by TLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[1195765-45-7]
Formula	C ₂₃ H ₂₀ F ₃ N ₅ O ₂ S
Application Notes	Dabrafenib is a selective inhibitor of mutant B-RafV600E (IC ₅₀ = 0.8 nM), with 4- and 6-fold reduced potency against wild type B-Raf and c-Raf (IC ₅₀ = 3.2 and 5 nM, respectively). ¹ Has been in clinical trials in patients with B-RafV600E metastatic melanoma and other solid tumors. Endoplasmic reticulum stress and autophagy are induced in melanoma cells after treatment with dabrafenib and protect cells from dabrafenib toxicity. ² Induces epithelial differentiation in BRAF-mutant colorectal cancer cells. ³