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Product Datasheet

Defactinib FBM-10-4828

Article Name	Defactinib
Biozol Catalog Number	FBM-10-4828
Supplier Catalog Number	10-4828
Alternative Catalog Number	FBM-10-4828-5MG,FBM-10-4828-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	FAK inhibitor...
Molecular Weight	510.50
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1073154-85-4]
Formula	C ₂₀ H ₂₁ F ₃ N ₈ O ₃ S
Application Notes	Defactinib (1073154-85-4) is a potent inhibitor of FAK (IC ₅₀ = 0.6nM) and Pyk2 (IC ₅₀ = 0.6nM). ¹ It is active in vivo (EC ₅₀ = 26nM). FAK inhibition prevents tumor invasion and dissemination rather than tumor size reduction. Defactinib has been shown to preferentially target cancer stem cells in a mouse xenograft model of triple negative breast cancer. ² It is in multiple clinical trials for various cancers ³ and in shows synergistic activity when used in combination with checkpoint immunotherapy 4-6.