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Product Datasheet

PP242, CAS [[1092351-67-1]] FBM-10-2695

Article Name	PP242, CAS [[1092351-67-1]]
Biozol Catalog Number	FBM-10-2695
Supplier Catalog Number	10-2695
Alternative Catalog Number	FBM-10-2695-5MG, FBM-10-2695-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dual mTORC1/mTORC2 inhibitor...
Molecular Weight	308.35
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white to beige solid
CAS Number	[1092351-67-1]
Formula	C16H16N6O
Application Notes	<p>PP242 is an ATP-competitive mTORC1/mTORC2 inhibitor (IC₅₀ = 8 nM) displaying high selectivity over PI 3K family kinases (IC₅₀s = 0.102 to 2.2 μM) and modest selectivity over PKC family kinases (IC₅₀s = 0.049 to 0.198 μM).^{1,2} PP 242 (but not rapamycin) induced the death of mouse and human leukemia cells but was much weaker than rapamycin at induction of death of normal lymphocytes.³ Restores lysosomal activity and facilitates clearance of amyloid-beta in a mouse model of dry age-related macular degeneration.⁴ Inhibits glioblastoma cell proliferation, migration, invasiveness, and stemness.⁵</p>