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Product Datasheet

URMC-099, CAS [[1229582-33-5]] FBM-10-4012

Article Name	URMC-099, CAS [[1229582-33-5]]
Biozol Catalog Number	FBM-10-4012
Supplier Catalog Number	10-4012
Alternative Catalog Number	FBM-10-4012-5MG, FBM-10-4012-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mixed-lineage kinase 3 inhibitor...
Molecular Weight	421.54
Purity	98% by TLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1229582-33-5]
Formula	C27H27N5
Application Notes	URMC-099 is a potent (IC ₅₀ = 14 nM), brain penetrant mixed-lineage kinase 3 inhibitor (MLK3). It also potently inhibits FLT3 (4 nM in vitro, but 560 nM in vivo), LRRK2 (11 nM), and ABL1 (3 nM). ¹ URMC-099 displayed neuroprotective effects in HIV-associated neurocognitive disorders ² and facilitated microglial amyloid- degradation and clearance in mouse models. ^{3,4} URMC-099 increased CD8+ T cells in mice and increased the CD8+GZMB+ T cell population in blood mononuclear cells isolated from breast cancer patients. ⁵