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Product Datasheet

AZ1, CAS [[2165322-94-9]] FBM-10-4317

Article Name	AZ1, CAS [[2165322-94-9]]
Biozol Catalog Number	FBM-10-4317
Supplier Catalog Number	10-4317
Alternative Catalog Number	FBM-10-4317-5MG,FBM-10-4317-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	USP25/28 inhibitor...
Molecular Weight	420.25
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[2165322-94-9]
Formula	C18H18BrF4NO

Application Notes	AZ1 is a selective dual inhibitor of the deubiquitinases USP25 and 28 (IC50s = 620 nM and 700 nM respectively).¹ It reduced c-Myc levels in HCT116, SW480, and HT29 colon cancer cell lines. AZ1 inhibited SARS-CoV-2 replication in Vero E6 cells.² It caused DNA damage, promoted c-Myc degradation, and induced apoptosis in non-small cell lung cancer cells alone and in combination with cisplatin.³ Treatment of chronic lymphocytic leukemia cells with AZ1 suppressed Notch activation and reduced cell viability in combination with venetoclax.⁴ It reduced c-Myc expression in clear cell renal cell carcinoma leading to tumor growth suppression.⁵ AZ1 ameliorated Parkinsons disease via USP25-dependent restoration of mitophagy.⁶
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