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Product Datasheet

ML323, CAS [[1572414-83-5]]

FBM-10-1560

Article Name	ML323, CAS [[1572414-83-5]]
Biozol Catalog Number	FBM-10-1560
Supplier Catalog Number	10-1560
Alternative Catalog Number	FBM-10-1560-5MG, FBM-10-1560-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	USP1 - UAF1 inhibitor...
Molecular Weight	384.48
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[1572414-83-5]
Formula	C23H24N6
Application Notes	Potent and reversible USP1-UAF1 deubiquitinase complex inhibitor with excellent selectivity against human DUBs, deSUMOylase, deneddylase and unrelated proteases, IC50=76 nm in a ubiquitin-rhodamine 110 assay. ¹ In H1299 non-small cell lung cancer cells treatment with ML323 dose dependently and robustly increased levels of monoubiquitinated PCNA compared to untreated cells at concentrations as low as 1 M. ¹ It potentiates cisplatin cytotoxicity in non-small cell lung cancer and osteosarcoma cells. ² ML323 inhibition of upregulated USP1 in BRCA1-deficient tumor cells results in replication fork destabilization and decreased viability. ³