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Product Datasheet

PRT4165, CAS [[31083-55-3]]

FBM-10-1478

Article Name	PRT4165, CAS [[31083-55-3]]
Biozol Catalog Number	FBM-10-1478
Supplier Catalog Number	10-1478
Alternative Catalog Number	FBM-10-1478-10MG, FBM-10-1478-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	E3 ubiquitin ligase inhibitor...
Molecular Weight	235.24
Purity	98% by TLC, NMR (Conforms)
Form	Yellow solid
CAS Number	[31083-55-3]
Formula	C15H9NO2
Application Notes	Inhibitor of Bmi1/Ring1A, subunits of the polycomb repressive complex 1 (PRC1). Inhibits self-ubiquitination (IC50 = 3.9 µM) but does not increase cellular levels of either subunit. Blocks Bmi1/Ring1A-mediated ubiquitination and drug-induced degradation of topoisomerase 2alpha.1 Inhibits H2A/H2AX ubiquitination via blocking the E3 ubiquitin ligase activity of RNF2 and a Bmi1/RNF2 complex. Blocks polycomb repressor complex (PRC) 1-mediated histone H2A ubiquitination in vitro and in vivo and as such represents a new tool for studying chromatin remodeling. ²