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Product Datasheet

PRT4165, CAS [[31083-55-3]] FBM-10-1478

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| 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 |