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Product Datasheet

LD2, CAS [[1134334-55-6]] FBM-10-4872

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| Article Name | LD2, CAS [[1134334-55-6]] |
| Biozol Catalog Number | FBM-10-4872 |
| Supplier Catalog Number | 10-4872 |
| Alternative Catalog Number | FBM-10-4872-5MG,FBM-10-4872-25MG |
| Manufacturer | Focus Biomolecules |
| Category | Biochemikalien |
| Product Description | PRMT9 inhibitor... |
| Molecular Weight | 247.68 |
| Purity | >98% by HPLC NMR (Conforms) |
| Form | Pale yellow solid |
| CAS Number | [1134334-55-6] |
| Formula | C12H10CIN3O |
| Application Notes | LD2 is a protein arginine N-methyltransferase 9 (PRMT9) inhibitor. It inhibited the viability of leukemia cells (IC50 = 2-7 µM in various cell lines). LD2 promoted DNA damage leading to cyclic GMP-AMP synthase (cGAS) activation and a type I IFN response. LD2 acted synergistically with anti-PD-1 mAb in an A20 lymphoma syngeneic model, an MA9 AML transplant model as well as a humanized AML mouse model. LD2 treatment led to leukemia stem cell ablation as well as an anticancer immune response. |