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## Product Datasheet

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

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	C <sub>12</sub> H <sub>10</sub> CIN <sub>3</sub> O
Application Notes	LD2 is a protein arginine N-methyltransferase 9 (PRMT9) inhibitor. It inhibited the viability of leukemia cells (IC <sub>50</sub> = 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.