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Product Datasheet

AOH1996 FBM-10-4992

Article Name	AOH1996
Biozol Catalog Number	FBM-10-4992
Supplier Catalog Number	10-4992
Alternative Catalog Number	FBM-10-4992-5MG,FBM-10-4992-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	PCNA inhibitor...
Molecular Weight	426.47
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[2089314-64-5]
Formula	C ₂₆ H ₂₂ N ₂ O ₄
Application Notes	AOH1996 inhibits proliferating cell nuclear antigen (PCNA), an enzyme critical to DNA replication and repair processes. ¹ It enhances the interaction between PCNA and RPB1 subunit of RNA polymerase II leading to degradation of RPB1 and collapse of DNA replication forks in transcribed chromatin regions, thus increasing transcription replication stress causing genomic instability and lethal DNA damage. AOH1996 alone or in combination with topoisomerase inhibitor CPT-11 significantly reduced tumor burden in mice with xenograft tumors (neuroblastoma, breast, or small cell lung cancers) with no side effects. Orally bioavailable.