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Product Datasheet

AOH1996

FBM-10-4992

Artikelname	AOH1996
Artikelnummer	FBM-10-4992
Hersteller Artikelnummer	10-4992
Alternativnummer	FBM-10-4992-5MG,FBM-10-4992-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	PCNA inhibitor...
Molekulargewicht	426.47
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[2089314-64-5]
Formel	C26H22N2O4
Anwendungsbeschreibung	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.