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Product Datasheet

FDI-6

FBM-10-4891

Article Name	FDI-6
Biozol Catalog Number	FBM-10-4891
Supplier Catalog Number	10-4891
Alternative Catalog Number	FBM-10-4891-5MG,FBM-10-4891-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	FOXM1 inhibitor...
Molecular Weight	437.43
Purity	>98% by HPLC NMR (Conforms)
Form	Yellow solid
CAS Number	[313380-27-7]
Formula	C19H11F4N3OS2
Application Notes	FDI-6 selectively blocks FOXM1 binding to DNA (IC50 = 22.5 μM) in MCF-7 breast cancer cells and suppresses transcription of FOXM1 genes.¹ It decreased cell proliferation, migration, and invasion in MDA-MB-231 and HS578T triple negative breast cancer cell lines.² FDI-6 acted synergistically with olaparib to inhibit the growth of triple negative breast³ and pancreatic⁴ cancer cells. It was found to induce the mRNA expression of aryl hydrocarbon receptor genes with subsequent suppression of tumorsphere formation in MCF-7 cells.⁵ FDI-6 enhanced T cell activation, supported differentiation of CD8+ cells, and T cell-mediated killing of small cell lung cancer cells.⁶