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Product Datasheet

FDI-6 **FBM-10-4891**

Artikelname	FDI-6
Artikelnummer	FBM-10-4891
Hersteller Artikelnummer	10-4891
Alternativnummer	FBM-10-4891-5MG,FBM-10-4891-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	FOXN1 inhibitor...
Molekulargewicht	437.43
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[313380-27-7]
Formel	C19H11F4N3OS2

Anwendungsbeschreibung	FDI-6 selectively blocks FOXM1 binding to DNA ($IC_{50} = 22.5 \mu M$) 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
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