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Product Datasheet

iPHF8 FBM-10-4049

Artikelname	iPHF8
Artikelnummer	FBM-10-4049
Hersteller Artikelnummer	10-4049
Alternativnummer	FBM-10-4049-5MG, FBM-10-4049-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Lysine demethylase PHF8 inhibitor...
Molekulargewicht	320.40
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Off-white solid
Formel	C19H20N4O
Anwendungsbeschreibung	iPHF8 is a specific inhibitor ($IC_{50} = 2.01 \mu M$, $EC_{50} = 2 \mu M$ in HeLa cells) of the human non-heme 2-oxoglutarate JmjC domain oxygenase/lysine demethylase PHF8. PHF8 also demethylates the transcription factor YY1 acting as a co-repressor for many electron transport chain genes driving mROS production and cancer development. It inhibited mROS production, cell proliferation, and colony formation in HCT116 and H1299 cells. iPHF8 significantly decreased tumor size in HCT116 derived tumors and colon cancer patient-derived xenografts.