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Product Datasheet

RK-33, CAS [[1070773-09-9]]

FBM-10-4839

Artikelname	RK-33, CAS [[1070773-09-9]]
Artikelnummer	FBM-10-4839
Hersteller Artikelnummer	10-4839
Alternativnummer	FBM-10-4839-5MG,FBM-10-4839-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	DDX3 inhibitor...
Molekulargewicht	428.44
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[1070773-09-9]
Formel	C23H20N6O3
Anwendungsbeschreibung	RK-33 is an inhibitor of the RNA helicase DDX3 - IC50s = 4.4-8.4 μM in high DDX3 expressing lung cancer cell lines A549, H1299, H23, and H460.1,2 Inhibition of DDX3 led to activation of cell death pathways, inhibition of Wnt pathway signaling, and abrogation of non-homologous end-joining (NHEJ) DNA repair. RK-33 was also active in colorectal cancer 3, prostate cancer4, and medulloblastoma cancer5 cell lines. RK-33 caused radiosensitization in breast cancer through inhibition of mitochondrial translation.6 RK-33 facilitates differentiation in human embryonic stem cells (hESC) and decreases pluripotency markers as well as reducing teratoma formation.7