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Product Datasheet

B02, CAS [[1290541-46-6]] FBM-10-3425

Artikelname	B02, CAS [[1290541-46-6]]
Artikelnummer	FBM-10-3425
Hersteller Artikelnummer	10-3425
Alternativnummer	FBM-10-3425-5MG,FBM-10-3425-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	RAD51 inhibitor...
Molekulargewicht	339.40
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Pale yellow solid
CAS Nummer	[1290541-46-6]
Formel	C22H17N3O

Anwendungsbeschreibung	RAD51 is a key protein involved in homologous recombination that plays a critical role in the repair of DNA double-strand breaks (DSB) and interstrand cross-links (ICL).¹ B02 (1290541-46-6) was identified in a high-throughput screen using a DNA strand exchange assay and was found to specifically inhibit human RAD51 (IC₅₀=27.4 μM) but not its E. coli homolog (RecA).¹ It sensitizes multiple myeloma cells to doxorubicin² and potentiates breast cancer cell killing by therapeutic agents in mouse models³. B02 induces a heat-shock protein mediated cellular response that positively regulates the conversion of rcDNA to cccDNA via the authentic intracellular amplification pathway in human hepatoma cells.⁴
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