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Product Datasheet

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

Article Name	B02, CAS [[1290541-46-6]]
Biozol Catalog Number	FBM-10-3425
Supplier Catalog Number	10-3425
Alternative Catalog Number	FBM-10-3425-5MG,FBM-10-3425-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	RAD51 inhibitor...
Molecular Weight	339.40
Purity	>98% by HPLC NMR (Conforms)
Form	Pale yellow solid
CAS Number	[1290541-46-6]
Formula	C22H17N3O
Application Notes	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