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Product Datasheet

RI-1, CAS [[415713-60-9]] FBM-10-1617

Artikelname	RI-1, CAS [[415713-60-9]]
Artikelnummer	FBM-10-1617
Hersteller Artikelnummer	10-1617
Alternativnummer	FBM-10-1617-5MG,FBM-10-1617-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	RAD51 inhibitor...
Molekulargewicht	361.61
Reinheit	98% by TLC, NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[415713-60-9]
Formel	C ₁₄ H ₁₁ Cl ₃ N ₂ O ₃
Anwendungsbeschreibung	RI-1 is a potent and selective inhibitor of RAD51 (IC ₅₀ = 5-30 µM), a highly conserved protein that catalyzes DNA repair via homologous recombination. ¹ It specifically reduces gene conversion in human cells and stimulates single strand annealing. It covalently binds to Cys319 on the surface of RAD51 and disrupts protein-protein interaction. It potentiates the effect of DNA-damaging agents on tumor cells and is a novel tool for studying DNA repair in cells. ² Potentiates the killing of glioblastoma cells by ionizing radiation ³ and alkylating drugs ⁴ .