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Product Datasheet

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

Article Name	RI-1, CAS [[415713-60-9]]
Biozol Catalog Number	FBM-10-1617
Supplier Catalog Number	10-1617
Alternative Catalog Number	FBM-10-1617-5MG,FBM-10-1617-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	RAD51 inhibitor...
Molecular Weight	361.61
Purity	98% by TLC, NMR (Conforms)
Form	Yellow solid
CAS Number	[415713-60-9]
Formula	C ₁₄ H ₁₁ Cl ₃ N ₂ O ₃
Application Notes	RI-1 is a potent and selective inhibitor of RAD51 (IC₅₀ = 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 radiation³ and alkylating drugs⁴.