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Product Datasheet

ICRF-193 FBM-10-5056

Article Name	ICRF-193
Biozol Catalog Number	FBM-10-5056
Supplier Catalog Number	10-5056
Alternative Catalog Number	FBM-10-5056-1MG,FBM-10-5056-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Topoisomerase II inhibitor...
Molecular Weight	282.3
Purity	>98% by TLC NMR (Conforms)
Form	Off-white solid
CAS Number	[21416-88-6]
Formula	C12H18N4O4
Application Notes	ICRF-193 is a topoisomerase II poison. ¹ Topoisomerase poisons are a special subclass of topoisomerase inhibitors that stabilize topoisomerase-DNA strand passing intermediates and thus cause the topoisomerases to become a cytotoxic DNA-damaging agent. ¹ It readily induces DNA strand breaks in V79 and irs-2 Chinese hamster lung fibroblasts via a novel mechanism. ² Displays cardioprotective (against anthracycline toxicity) ³ and anti-inflammatory effects via reduction of IL-1 β secretion by macrophages ⁴ . An important tool for studying the cellular response to DNA double-strand breaks. ⁵