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Product Datasheet

IMT1, CAS [[2304621-31-4]] FBM-10-3918

Article Name	IMT1, CAS [[2304621-31-4]]
Biozol Catalog Number	FBM-10-3918
Supplier Catalog Number	10-3918
Alternative Catalog Number	FBM-10-3918-5MG, FBM-10-3918-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial DNA transcription inhibitor/RNA Polymerase inhibitor...
Molecular Weight	351.40
Purity	>98% by TLC NMR (Conforms)
Form	White solid
CAS Number	[2304621-31-4]
Formula	C ₂₁ H ₂₁ NO ₄
Application Notes	IMT1 (2304621-31-4) is a specific inhibitor of mitochondrial DNA (mtDNA) transcription. It targets an allosteric binding site on human mitochondrial RNA polymerase leading to impairment of biogenesis of the oxidative phosphorylation (OXPHOS) system. ¹ IMT1 treatment of 89 cancer cell lines lead to a strong decrease in cell viability in one third of them without affecting normal cells. It inhibited proliferation and migration in squamous cell ² and endometrial carcinoma cells ³ .