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Product Datasheet

BMH-21 FBM-10-5688

Article Name	BMH-21
Biozol Catalog Number	FBM-10-5688
Supplier Catalog Number	10-5688
Alternative Catalog Number	FBM-10-5688-5MG,FBM-10-5688-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	RNA polymerase I inhibitor...
Molecular Weight	360.42
Purity	>98% by HPLC NMR (Conforms)
Form	Orange solid
CAS Number	[896705-16-1]
Formula	C ₂₁ H ₂₀ N ₄ O ₂
Application Notes	A planar heterocyclic DNA intercalator that inhibits RNA polymerase I (Pol I), IC ₅₀ = 0.6 µM in U2OS cells, but not Pols II or III, blocking transcription elongation without inducing the DNA damage response. ¹⁻³ Inhibition disengages Pol I from chromatin, resulting in proteasome-dependent destruction of Pol I subunit RPA194.4 At nanomolar concentrations it also activates p53 in A375 cells. ⁵