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Product Datasheet

CIB-3b, CAS [[124811-87-6]] FBM-10-3923

Article Name	CIB-3b, CAS [[124811-87-6]]
Biozol Catalog Number	FBM-10-3923
Supplier Catalog Number	10-3923
Alternative Catalog Number	FBM-10-3923-5MG,FBM-10-3923-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Inhibitor of microRNA biogenesis...
Molecular Weight	261.28
Purity	>98% by HPLC , NMR (Conforms)
Form	White solid
CAS Number	[124811-87-6]
Formula	C14H15NO4
Application Notes	CIB-3b inhibits microRNA (miRNA) biogenesis via binding (KD = 10.42 nM) to transactivation response (TAR) RNA-binding protein 2 (TRBP), disrupting the TRBP-Dicer interaction, a critical element in pre-miRNA processing. It inhibited mi-R21 (EC50 = 1.38 µM) expression, a potent inducer of cellular EMT progression. CIB-3b inhibited hepatocarcinogenesis by blocking EMT in a mouse orthotopic transplantation model (SK-HEP-1 cells).