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Product Datasheet

Cercosporamide, CAS [[131436-22-1]] FBM-10-2505

Article Name	Cercosporamide, CAS [[131436-22-1]]
Biozol Catalog Number	FBM-10-2505
Supplier Catalog Number	10-2505
Alternative Catalog Number	FBM-10-2505-200UG,FBM-10-2505-1MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mnk inhibitor...
Molecular Weight	331.28
Purity	>98% by HPLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[131436-22-1]
Formula	C16H13NO7
Application Notes	Cercosporamide (131436-22-1) is a natural product isolated from <i>Cercosporidium henningsii</i> and shown to have antifungal activity. ¹ It was found to be a potent inhibitor of MAP kinase interacting kinase (Mnk1 IC ₅₀ =116 nM and Mnk2 IC ₅₀ =11 nM), with selectivity against a panel of 76 kinases (at 20 µM) with the exception of JAK3 (IC ₅₀ =31 nM). ² It effectively blocks eIF4E phosphorylation both in vitro and in vivo and induces apoptosis in multiple cancer cell lines. ² It enhances the response to antiangiogenic drugs in renal cell carcinoma ³ and overcomes chemoresistance in cervical cancer ⁴ .