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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. <sup>1</sup> It was found to be a potent inhibitor of MAP kinase interacting kinase (Mnk1 IC <sub>50</sub> =116 nM and Mnk2 IC <sub>50</sub> =11 nM), with selectivity against a panel of 76 kinases (at 20 µM) with the exception of JAK3 (IC <sub>50</sub> =31 nM). <sup>2</sup> It effectively blocks eIF4E phosphorylation both in vitro and in vivo and induces apoptosis in multiple cancer cell lines. <sup>2</sup> It enhances the response to antiangiogenic drugs in renal cell carcinoma <sup>3</sup> and overcomes chemoresistance in cervical cancer <sup>4</sup> .