

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

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 Cercosporidium henningsii 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 . |