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## Product Datasheet

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

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Artikelname              | Cercosporamide, CAS [[131436-22-1]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Artikelnummer            | FBM-10-2505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hersteller Artikelnummer | 10-2505                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Alternativnummer         | FBM-10-2505-200UG,FBM-10-2505-1MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Produktbeschreibung      | Mnk inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Molekulargewicht         | 331.28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reinheit                 | >98% by HPLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Formulierung             | Off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CAS Nummer               | [131436-22-1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formel                   | C16H13NO7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Anwendungsbeschreibung   | 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> . |