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## Product Datasheet

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

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| Artikelname              | CIB-3b, CAS [[124811-87-6]]                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Artikelnummer            | FBM-10-3923                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hersteller Artikelnummer | 10-3923                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternativnummer         | FBM-10-3923-5MG,FBM-10-3923-25MG                                                                                                                                                                                                                                                                                                                                                                                                              |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Produktbeschreibung      | Inhibitor of microRNA biogenesis...                                                                                                                                                                                                                                                                                                                                                                                                           |
| Molekulargewicht         | 261.28                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reinheit                 | >98% by HPLC , NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formulierung             | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CAS Nummer               | [124811-87-6]                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formel                   | C14H15NO4                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Anwendungsbeschreibung   | 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). |