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## Product Datasheet

### **CX-5461, CAS [[1138549-36-6]] FBM-10-2998**

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| Article Name               | CX-5461, CAS [[1138549-36-6]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Biozol Catalog Number      | FBM-10-2998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Supplier Catalog Number    | 10-2998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Alternative Catalog Number | FBM-10-2998-5MG,FBM-10-2998-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Manufacturer               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Description        | RNA polymerase I inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight           | 513.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity                     | >98% by HPLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Form                       | Off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CAS Number                 | [1138549-36-6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Formula                    | C27H27N7O2S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Application Notes          | CX-5461 (1138549-36-6) is a first-in-class selective RNA polymerase I inhibitor, suppressing Pol I transcription in MV 4,11 myelomonocytic leukemia cells and SR immunoblastic lymphoma cells with EC50 values of 95 and 135 nM respectively and demonstrating 200-fold selectivity over Pol II.1,2 Activates the DNA damage response.3 It induces a rapid accumulation of cytosolic DNA which results in upregulation of STING.4 Acts as a potent immunosuppressant inhibiting T cell-mediated alloimmunity and representing a novel class of immunosuppressant.5 |