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## Product Datasheet

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

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. <sup>1,2</sup> Activates the DNA damage response. <sup>3</sup> It induces a rapid accumulation of cytosolic DNA which results in upregulation of STING. <sup>4</sup> Acts as a potent immunosuppressant inhibiting T cell-mediated alloimmunity and representing a novel class of immunosuppressant. <sup>5</sup>