

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

Product Datasheet

IMT1B, CAS [[2304621-06-3]] FBM-10-3919

Article Name	IMT1B, CAS [[2304621-06-3]]
Biozol Catalog Number	FBM-10-3919
Supplier Catalog Number	10-3919
Alternative Catalog Number	FBM-10-3919-5MG,FBM-10-3919-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mitochondrial DNA transcription inhibitor/RNA Polymerase inhibitor...
Molecular Weight	473.88
Purity	>98% by HPLC NMR Conforms
Form	White to off-white solid
CAS Number	[2304621-06-3]
Formula	C ₂₄ H ₂₁ ClFNO ₆
Application Notes	IMT1B (2304621-06-3) is a specific inhibitor of mitochondrial DNA (mtDNA) transcription. It targets an allosteric binding site on human mitochondrial RNA polymerase leading to impairment of biogenesis of the oxidative phosphorylation (OXPHOS) system. ¹ IMT1B displayed efficacy in mice containing human A2780 or DLD-1 cancer cell xenografts. IC ₅₀ = 138 nM A2780 cancer cells. ²