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## Product Datasheet

### **MF-438, CAS [[921605-87-0]] FBM-10-4558**

Article Name	MF-438, CAS [[921605-87-0]]
Biozol Catalog Number	FBM-10-4558
Supplier Catalog Number	10-4558
Alternative Catalog Number	FBM-10-4558-5MG,FBM-10-4558-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	SCD1 inhibitor...
Molecular Weight	421.44
Purity	98% by HPLC, NMR (Confirms)
Form	Off-white solid
CAS Number	[921605-87-0]
Formula	C19H18F3N5OS
Application Notes	MF-438 is a potent inhibitor of stearoyl-CoA desaturase 1 (SCD1) - IC50 = 2.3 nM. <sup>1</sup> MF-438 was potent in an in vivo mouse liver PD assay (ED50 between 1 and mg/kg). <sup>1</sup> Cancer initiating cells (CSC-like) were shown to much more sensitive to MF-438 inhibition of SCD1 than progenitor and terminally differentiated cancer cells in a lung cancer model. <sup>2</sup> MF-438 showed good oral bioavailability and metabolic stability making it an excellent tool for studying the effects of SCD1 in various disease models.