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Product Datasheet

A1120 FBM-10-5117

Article Name	A1120
Biozol Catalog Number	FBM-10-5117
Supplier Catalog Number	10-5117
Alternative Catalog Number	FBM-10-5117-5MG,FBM-10-5117-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Non-retinoid RBP4 antagonist...
Molecular Weight	392.38
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1152782-19-8]
Formula	C20H19F3N2O3
Application Notes	A1120 (1152782-19-8) is a high affinity ($K_i = 8.3$ nM) non-retinoid antagonist for RBP4 (retinol-binding protein 4), which disrupts the interaction between RBP4 and its binding partner transthyretin and lowers serum RBP4 levels in vivo in mice. ¹ Significantly reduces lipofuscin bisretinoid formation in the retinas of Abca4 ^{-/-} mice with potential for treatment of atrophic age-related macular degeneration. ^{2,3} Has been employed as a small molecule "On-Switch for controlling CAR T cells in conjunction with RBP4 and engineered RBP4-binders. ⁴