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Product Datasheet

Lomitapide, CAS [[182431-12-5]] FBM-10-4664

Article Name	Lomitapide, CAS [[182431-12-5]]
Biozol Catalog Number	FBM-10-4664
Supplier Catalog Number	10-4664
Alternative Catalog Number	FBM-10-4664-5MG, FBM-10-4664-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Microsomal triglyceride transfer protein inhibitor...
Molecular Weight	693.73
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[182431-12-5]
Formula	C39H37F6N3O2
Application Notes	Lomitapide is a potent (IC ₅₀ = 8 nM) inhibitor of microsomal triglyceride transfer protein (MTP or MTTP) and is clinically useful in treating familial hypercholesterolemia. ^{1,2} It has displayed anticancer activity acting through various pathways including autophagy-dependent cancer cell death via direct inhibition of the kinase activity of mTORC13, activation of AMPK/Beclin1-mediated autophagy ⁴ , Notch inhibition via targeting TACE and gamma-secretase ⁵ , blocking ZDHHC5-dependent palmitoylation on SSTR56, PFKFB3 inhibition ⁷ , and PARP14/DRP1-mediated mitophagy ⁸ .