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Product Datasheet

BMS-309403

FBM-10-4762

Article Name	BMS-309403
Biozol Catalog Number	FBM-10-4762
Supplier Catalog Number	10-4762
Alternative Catalog Number	FBM-10-4762-5MG,FBM-10-4762-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	FABP4 inhibitor...
Molecular Weight	474.55
Purity	98% by HPLC NMR (Conforms)
Form	Off-white or pale yellow solid
CAS Number	[300657-03-8]
Formula	C31H26N2O3
Application Notes	BMS-309403 is a potent ($K_i < 2$ nM FABP4, $K_i = 250$ nM FABP3, $K_i = 350$ nM FABP5) and selective inhibitor of the fatty-acid-binding protein aP2 (FABP4). ^{1,2} It demonstrated marked reductions in atherosclerotic lesions in an Apoe ^{-/-} mouse model and improved glucose metabolism, reduced inflammation, and increased insulin sensitivity in a Lepob/ob mouse model. BMS-309403 stimulated glucose uptake in myotubes via activation of AMPK. ³ It decreased ER stress-associated inflammation in skeletal muscle ⁴ and suppressed inflammation and oxidative stress in mouse and cell models of acute lung injury ⁵ .