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Product Datasheet

Lipofermata, CAS [[297180-15-5]] FBM-10-3902

Article Name	Lipofermata, CAS [[297180-15-5]]
Biozol Catalog Number	FBM-10-3902
Supplier Catalog Number	10-3902
Alternative Catalog Number	FBM-10-3902-10MG, FBM-10-3902-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Fatty acid transport protein 2 (FATP2) inhibitor...
Molecular Weight	360.23
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[297180-15-5]
Formula	C15H10BrN3OS
Application Notes	Lipofermata is an inhibitor of fatty acid transport protein 2 (FATP2, IC50 = 4.84 µM). ¹ It does not inhibit glucose transport or the activity of long chain acyl-CoA synthetase. It prevented palmitate-mediated oxidative stress, induction of BiP and CHOP, and cell death in a dose-dependent manner in hsHepG2 and mINS-1E cells suggesting utility in preventing fatty acid-mediated cell death pathways and lipotoxic disease. ² Inhibition was specific for long and very long chain fatty acids but not medium (C6-C10) acids. Lipofermata abrogates lipid transport into melanoma cells and reduces melanoma growth and invasion. ³