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Product Datasheet

BD1047 dihydrobromide, CAS [[138356-21-5]] FBM-10-4210

Article Name	BD1047 dihydrobromide, CAS [[138356-21-5]]
Biozol Catalog Number	FBM-10-4210
Supplier Catalog Number	10-4210
Alternative Catalog Number	FBM-10-4210-5MG, FBM-10-4210-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Sigma-1 antagonist...
Molecular Weight	437.04
Purity	98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[138356-21-5]
Formula	C13H20Cl2N22HBr
Application Notes	BD1047 is a potent and selective sigma-1 antagonist (IC50s: sigma1 = 0.93nM, sigma2 = 47nM). ¹ Pretreatment of mice with BD1047 reduced convulsions, lethality, and locomotor activity induced by cocaine. ² BD1047 attenuated high fat diet-induced peripheral neuropathy in mice. ³ BD1047 displayed antinociceptive effects in several rodent pain models. ⁴⁻⁶ It also inhibits the beta-adrenoreceptor (IC50 = 145 nM). ¹