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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	C <sub>13</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>2</sub> 2HBr
Application Notes	BD1047 is a potent and selective sigma-1 antagonist (IC <sub>50</sub> s: 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 (IC <sub>50</sub> = 145 nM).1