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Product Datasheet

BAY 87-2243 **FBM-10-4910**

Article Name	BAY 87-2243
Biozol Catalog Number	FBM-10-4910
Supplier Catalog Number	10-4910
Alternative Catalog Number	FBM-10-4910-5MG,FBM-10-4910-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	HIF-1 / Mitochondrial complex I inhibitor...
Molecular Weight	525.54
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1227158-85-1]
Formula	C ₂₆ H ₂₆ F ₃ N ₇ O ₂
Application Notes	BAY 87-2243 potently inhibits HIF-1 reporter gene activity (IC ₅₀ = 0.7 nM) and CA9 protein expression (IC ₅₀ = 2.0 nM). ¹ It inhibited HIF-1 and HIF-2 protein accumulation in hypoxic H460 cells and reduced tumor weight in nude mice inoculated with H460 cells. BAY 87-2243 potently inhibits mitochondrial complex I activity (IC ₅₀ = 10 nM in mitochondria isolated from PC3 cells) leading to its HIF-1 effects. It has no effect on mitochondrial complex III. BAY 87-2243 reduced melanoma tumor growth via its targeting of mitochondrial complex I. ^{2,3}