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Product Datasheet

BAY 87-2243, CAS [[1227158-85-1]] FBM-10-4910

Artikelname	BAY 87-2243, CAS [[1227158-85-1]]
Artikelnummer	FBM-10-4910
Hersteller Artikelnummer	10-4910
Alternativnummer	FBM-10-4910-5MG,FBM-10-4910-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	HIF-1 / Mitochondrial complex I inhibitor...
Molekulargewicht	525.54
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1227158-85-1]
Formel	C26H26F3N7O2
Anwendungsbeschreibung	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}