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Product Datasheet

ST-034307 FBM-10-1620

Article Name	ST-034307
Biozol Catalog Number	FBM-10-1620
Supplier Catalog Number	10-1620
Alternative Catalog Number	FBM-10-1620-5MG,FBM-10-1620-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Adenylate cyclase 1 inhibitor, analgesic activity...
Molecular Weight	297.95
Purity	98% by TLC, NMR (Conforms)
Form	Yellow solid
CAS Number	[133406-29-8]
Formula	C10H4Cl4O2
Application Notes	A novel selective adenylyl cyclase 1 (AC1) inhibitor, IC50=2.3 μ M . Inhibits calcium ²⁺ -stimulated cAMP accumulation in HEK cells stably transfected with AC11. It was also shown to inhibit AC1 stimulated by forskolin- and Galphas-coupled receptors in HEK-AC1 cells. It enhanced μ -opioid receptor-mediated inhibition of AC1 but it blocked heterologous sensitization of AC1 caused by chronic μ -opioid receptor activation. ¹ Displays analgesic properties in a mouse model of inflammatory pain. ¹