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## Product Datasheet

### ST-034307, CAS [[133406-29-8]] FBM-10-1620

Artikelname	ST-034307, CAS [[133406-29-8]]
Artikelnummer	FBM-10-1620
Hersteller Artikelnummer	10-1620
Alternativnummer	FBM-10-1620-5MG,FBM-10-1620-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Adenylate cyclase 1 inhibitor, analgesic activity...
Molekulargewicht	297.95
Reinheit	98% by TLC, NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[133406-29-8]
Formel	C10H4Cl4O2
Anwendungsbeschreibung	A novel selective adenylyl cyclase 1 (AC1) inhibitor, IC <sub>50</sub> =2.3 μM . Inhibits calcium <sup>2+</sup> -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. <sup>1</sup> Displays analgesic properties in a mouse model of inflammatory pain. <sup>1</sup>