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Product Datasheet

CCG-4986 FBM-10-1431

Artikelname	CCG-4986
Artikelnummer	FBM-10-1431
Hersteller Artikelnummer	10-1431
Alternativnummer	FBM-10-1431-5MG,FBM-10-1431-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	RGS4 inhibitor...
Molekulargewicht	374.81
Reinheit	98% by TLC, NMR (Conforms)
Formulierung	White solid
CAS Nummer	[7134-19-2]
Formel	C13H11CIN2O5S2
Anwendungsbeschreibung	CCG-4986 is the first selective non-peptide inhibitor of the regulator of G protein signaling protein subtype RGS4.1 It covalently ²⁻³ modifies RGS4 by inhibiting its interaction with Galpha (IC50 = 3-5 mM) and suppressing GTPase activity ¹ . Intratympanic administration of CCG-4986 was shown to rescue cochlear injury and hearing loss induced by acoustic overexposure and represents a novel paradigm for the treatment of sensorineural hearing loss via pharmacological regulation of GPCR signaling. ⁴ A novel tool for exploring the involvement of RGS4 in physiological processes. ⁵