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Product Datasheet

Serodolin, CAS [[1814929-81-1]] FBM-10-4086

Artikelname	Serodolin, CAS [[1814929-81-1]]
Artikelnummer	FBM-10-4086
Hersteller Artikelnummer	10-4086
Alternativnummer	FBM-10-4086-5MG,FBM-10-4086-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	β-Arrestin-biased 5-HT7 antagonist...
Molekulargewicht	382.47
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[1814929-81-1]
Formel	C22H27FN4O

Anwendungsbeschreibung	Serodolin is a potent dual antagonist of the serotonin receptors 5-HT₇ (K_i = 6.2 nM, IC₅₀ = 5.7 nM cAMP response) and 5-HT_{2A} (K_i = 19 nM, IC₅₀ = 110 nM IP₁ response) with significant selectivity over 5-HT_{1A} and 5-HT₆.¹ Serodolin has recently been found to act as a β-arrestin-biased inverse agonist on G_s signaling while inducing ERK activation requiring c-SRS activation, a unique pharmacological profile among 5-HT₇ ligands.² It decreased hyperalgesia and pain sensation in response to inflammatory, thermal, and mechanical stimulation in a mouse model demonstrating the therapeutic potential of a β-arrestin-biased ligand for pain relief. Blood-brain barrier permeable.
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