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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	C ₂₂ H ₂₇ N ₄ O

Anwendungsbeschreibung	<p>Serodolin is a potent dual antagonist of the serotonin receptors 5-HT7 (Ki = 6.2 nM, IC50 = 5.7 nM cAMP response) and 5-HT2A (Ki = 19 nM, IC50 = 110 nM IP1 response) with significant selectivity over 5-HT1A and 5-HT6.1 Serodolin has recently been found to act as a β-arrestin-biased inverse agonist on Gs 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.</p>
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