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Product Datasheet

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

Article Name	Serodolin, CAS [[1814929-81-1]]
Biozol Catalog Number	FBM-10-4086
Supplier Catalog Number	10-4086
Alternative Catalog Number	FBM-10-4086-5MG, FBM-10-4086-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	β-Arrestin-biased 5-HT7 antagonist...
Molecular Weight	382.47
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[1814929-81-1]
Formula	C22H27FN4O
Application Notes	<p>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-HT2A (K_i = 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 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.</p>