
FPS-ZM1

产品编号: D51092

CAS: 945714-67-0

分子式: C₂₀H₂₂ClNO

纯度: ≥98%

InChi: InChI=1S/C₂₀H₂₂ClNO/c21-18-13-11-17(12-14-18)20(23)22(19-9-5-2-6-10-19)15-16-7-3-1-4-8-16/h1,3-4,7-8,11-14,19H,2,5-6,9-10,15H2

InChi Key: XDFKWGIBQMHSOH-UHFFFAOYSA-N

Smiles: O=C(C1C=CC(Cl)=CC=1)N(CC1C=CC=CC=1)C1CCCCC1

外观: 固体粉末

作用通路: Amyloid-β

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: FPS-ZM1 is a high-affinity RAGE-specific blocker that inhibits amyloid-β binding to RAGE, neurological damage and inflammation in the APP(sw/0) transgenic mouse model of AD. FPS-ZM1 is not toxic to mice and can easily cross the blood-brain barrier. AGEs administration induced an-regulation of Abeta production, inflammation, and oxidative stress, and an increased escape latency of rats in the Morris water maze test, all of these are significantly reduced by FPS-ZM1 treatment. FPS-ZM1 might be a novel therapeutic agent to treat AD patients.