

Product Datasheet

LIH383 TFA (orb1980092)

Catalog Number	orb1980092
Description	LIH383 is a peptide agonist specifically designed to activate the chemokine (C-X-C motif) receptor 7 (CXCR7), which functions both as a chemokine and an opioid peptide scavenger receptor. Demonstrating a high selectivity, LIH383 activates CXCR7 with an effective concentration (EC50) of 0.61 nM, showing significantly lower affinity towards μ -, δ -, and κ -opioid receptors, as well as the nociceptin opioid peptide (NOP) receptor, even at concentrations of 3 μ M in β -arrestin recruitment assays. Furthermore, at a concentration of 3 μ M, LIH383 effectively inhibits the uptake of opioid peptides by CXCR7, a process normally induced by dynorphin A, a non-selective opioid receptor agonist, in U87-ACKR3 cells.
Storage	-20°C
Note	For research use only
Formula	C ₄₅ H ₇₂ N ₁₆ O ₈ S.XCF ₃ COOH
Purity	98.00%
MW	997.22
SMILES	<chem>OC(C(F)(F)F)=O.O=C([C@H](CC1=CC=CC=C1)N)NCC(NCC(N[C@@H](CC2=CC=CC=C2)C(N[C@H](C(N[C@H](C(N[C@H](C(N[C@H](C(N=O)CCCCN)=O)CCCNC(N)=N)=O)CCCNC(N)=N)=O)CCSC)=O)=O</chem>
Expiration Date	12 months from date of receipt.

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