



Product Information

CCR agonist LMD-009, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ679

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

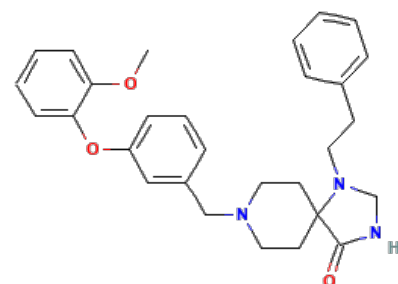
CAS Number: 950195-51-4

Compound CID: 91032188

Synonym: LMD-009; 950195-51-4; AKOS040733608; MS-28727; HY-121885;

CS-0083604; CCR agonist

This product is for research use only and is not intended for diagnostic use.



Product Information

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| Description | LMD-009 stimulates CCR receptors. The receptors bind to chemokines, which are signaling proteins that direct the migration of immune cells to sites of inflammation, infection, or injury. |
| Molecular Weight | 471.59 |
| Molecular Formula | C ₂₉ H ₃₃ N ₃ O ₃ |
| IUPAC Name | 8-[[3-(2-Methoxyphenoxy)phenyl]methyl]-1-(2-phenylethyl)-1,3,8-triazaspiro[4.5]decan-4-one |
| InChI | InChI=1S/C29H33N3O3/c1-34-26-12-5-6-13-27(26)35-25-11-7-10-24(20-25)21-31-18-15-29(16-19-31)28(33)30-22-32(29)17-14-23-8-3-2-4-9-23/h2-13,20H,14-19,21-22H2,1H3,(H,30,33) |
| InChI Key | MRXASGVUQJWMP-UHFFFAOYSA-N |
| Canonical SMILES | COC1=CC=CC=C1OC2=CC=CC(=C2)CN3CCC4(CC3)C(=O)NCN4CCC5=CC=CC=C5 |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |
| Applications | LMD-009 can be studied for its role as an anti-inflammatory agent by modulating various pathways, potentially including leukotriene biosynthesis. |
| Storage | Store at -20°C. |