

**Product Name** : LY-2510924

**Synonyms** : LY2510924

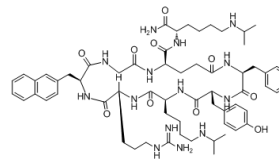
**Cat No.** : M10339

**CAS Number** : 1088715-84-7

**Molecular Formula** : C<sub>62</sub>H<sub>88</sub>N<sub>14</sub>O<sub>10</sub>

**Formula Weight** : 1189.45

**Chemical Name** : Cyclo[Phe-Tyr-Lys(iPr)-D-Arg-2-Nal-Gly-D-Glu]-Lys(iPr)-NH<sub>2</sub>



**Description** : LY-2510924 (LY2510924) is a potent and selective, cyclic peptide CXCR4 antagonist with IC<sub>50</sub> of 0.079 nM, without apparent agonist activity; inhibits SDF-1-induced cell migration with IC<sub>50</sub> of 0.26 nM and inhibits SDF-1/CXCR4-mediated intracellular signaling; exhibits inhibition of SDF-1-stimulated phospho-ERK and phospho-Akt in tumor cells; shows inhibition of tumor growth in human xenograft models with acceptable in vivo stability and a pharmacokinetic profile. Kidney Cancer Phase 2 Clinical

**Pathway** : GPCR/G Protein

**Target** : Chemokine Receptor

**Receptor** : Chemokine Receptor

**Solubility** : DMSO : ≥ 125 mg/mL 105.09 mM

**SMILES** : O=C(NCC(N[C@@H](C(N[C@@H](CCCCNC(C)C)C(N)=O)=O)CCC(N[C@@H](CC1=CC=CC=C1)C(N[C@@H](CC2=CC=C(O)C=C2)C3=O)=O)=O)C(CC4=CC=C(C=CC=C5)C5=C4)NC(C(CCCNC(N)=O)NC(C(N3)CCCCNC(C)C)=O)=O

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Peng SB, et al. Mol Cancer Ther. 2015 Feb;14(2):480-90. | 2. Cho BS, et al. Blood. 2015 Jul 9;126(2):222-32. | 3. Galsky MD, et al. Cancer Res. 2014 Aug 15;20(16):4414.