

**Product Name** : YIR-821

**Synonyms** : YIR821

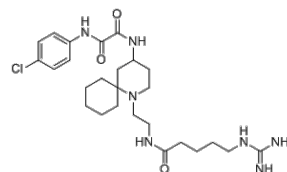
**Cat No.** : M12924

**CAS Number** : 1883372-91-5

**Molecular Formula** : C<sub>26</sub>H<sub>40</sub>ClN<sub>7</sub>O<sub>3</sub>

**Formula Weight** : 534.10

**Chemical Name** : N1-(4-chlorophenyl)-N2-(1-(2-(5-guanidinopentanamido)ethyl)-1-azaspiro[5.5]undecan-4-yl)oxalamide



**Description** : YIR-821 is a small-molecule CD4 mimic that acts as a highly potent HIV entry inhibitor with IC<sub>50</sub> of 2.8 uM against YTA48P virus with no significant cytotoxicity (CC<sub>50</sub>>200 uM); A useful lead compound for the further development of HIV-1 entry inhibitors and could potentially be useful for co-administration with neutralizing antibodies for the treatment of HIV infection and AIDS.

**Pathway** : Microbiology/Virology

**Target** : HIV

**Receptor** : HIV

**Solubility** : —

**SMILES** : —

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Ohashi N, et al. ChemMedChem. 2016 Apr 19;11(8):940-6.