



## Product Information

### LP-211

**Cat. No.:** X23-12-YM1044

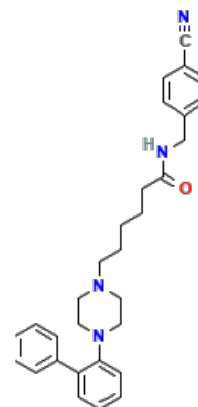
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 1052147-86-0

**Compound CID:** 25107716

**Synonym:** 1052147-86-0; LP211; LP 211

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



### Product Information

|                          |                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | LP-211 inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets 5-HT1A receptor, 5-HT7 receptor, and D2 receptor. |
| <b>Molecular Weight</b>  | 466.63                                                                                                                                                         |
| <b>Molecular Formula</b> | C <sub>30</sub> H <sub>34</sub> N <sub>4</sub> O                                                                                                               |
| <b>Targets</b>           | 5-HT1A receptor: 188 nM; 5-HT7 receptor: 0.58 nM; D2 receptor: 142 nM                                                                                          |
| <b>IUPAC Name</b>        | <i>N</i> -[(4-Cyanophenyl)methyl]-6-[4-(2-phenylphenyl)piperazin-1-yl]hexanamide                                                                               |
| <b>Canonical SMILES</b>  | <chem>C1CN(CCN1CCCCC(=O)NCC2=CC=C(C=C2)C#N)C3=CC=CC=C3C4=CC=CC=C4</chem>                                                                                       |
| <b>Form</b>              | Lyophilized powder                                                                                                                                             |
| <b>Purity</b>            | >98%                                                                                                                                                           |
| <b>Stability</b>         | The product is stable for three years when stored at the recommended temperature in lyophilized powder.                                                        |
| <b>Applications</b>      | LP-211 can be used for its ability to modulate neurotransmitter release, neuroprotection, and synaptic plasticity.                                             |
| <b>Storage</b>           | Store at -20°C, and keep desiccated.                                                                                                                           |