Opipanserin

**Cat. No.:** HY-109067  
**CAS No.:** 1441000-45-8  
**Molecular Formula:** C₂₁H₃₄N₂O₅  
**Molecular Weight:** 394.51  
**Target:** GlyT; 5-HT Receptor; P2X Receptor  
**Pathway:** Membrane Transporter/Ion Channel; Neuronal Signaling; GPCR/G Protein  
**Storage:** Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

| Description | Opipanserin, a non-opioid and non-NSAID analgesic candidate, is a dual antagonist of **glycine transporter type 2** (GlyT2) and **serotonin receptor 2A** (5HT2A), with IC₅₀s of 0.86 and 1.3 μM, respectively. Opipanserin shows antagonistic activity on rP2X3 (IC₅₀=0.87 μM). Opipanserin is development as an injectable agent for the treatment of postoperative pain[1][2][3]. |

| IC₅₀ & Target | 5-HT₂A Receptor: 1.3 μM (IC₅₀) | GlyT2: 0.86 μM (IC₅₀) | rP2X3: 0.87 μM (IC₅₀) |

### REFERENCES

