



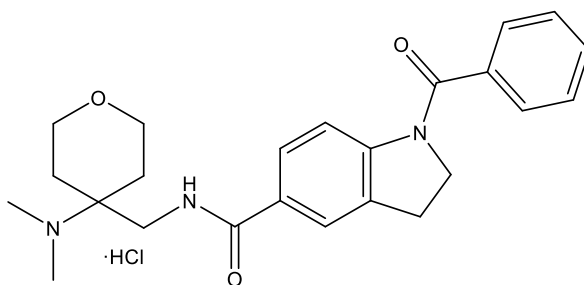
Catalog # 10-4279

RPI-GLYT2-82

CAS# N/A

1-Benzoyl-N-((4-(dimethylamino)tetrahydro-2H-pyran-4-yl)methyl)indoline-5-carboxamide hydrochloride

Lot # FBA11019



RPI-GLYT2-82 is a reversible, allosteric antagonist ($IC_{50} = 554$ nM) of Glycine Transporter 2 (GLYT2) with selectivity over GLYT1. It is also an antagonist of the serotonin receptor 5-HT_{2A} ($IC_{50} = 1.9$ μ M). RPI-GLYT2-82 displayed efficacy in the CCI and PNL mouse models of neuropathic pain. It showed no addiction liability and had no on-target side effects.

- 1) Chater *et al.* (2026), *A reversible allosteric inhibitor of GlyT2 for neuropathic pain without on-target side effects*; Nat. Commun. **17** 2828
- 2) Cioffi *et al.* (2026), *Identification of Non-competitive and Reversible Inhibitors of Glycine Transporter 2: A Promising Non-opioid Therapeutic Strategy for Neuropathic Pain*; J. Med. Chem. **69** 10278

PHYSICAL DATA

Molecular Weight: 443.97
Molecular Formula: C₂₄H₂₉N₃O₃·HCl
Purity: >98% by TLC
NMR: (Conforms)
Solubility: DMSO (>100 mg/ml)
Physical Description: Off-white to beige solid
Storage and Stability: Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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