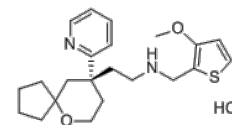


Product Name : Oliceridine hydrochloride
Cat. No. : PC-61682
CAS No. : 1401028-24-7
Molecular Formula : C₂₂H₃₁ClN₂O₂S
Molecular Weight : 423.012
Target : Opioid Receptor
Solubility : 10 mM in DMSO



Biological Activity

Oliceridine hydrochloride (Olinvo, TRV130) is a potent, selective, and G protein biased **μ opioid receptor** (MOR) agonist with pEC₅₀ of 8.1.

Oliceridine displays 178-fold selectivity over KOR and 355-fold selectivity over DOR.

Oliceridine elicits robust G protein signaling, with potency and efficacy similar to morphine in cell-based assays.

Oliceridine is potently analgesic with reduced gastrointestinal and respiratory dysfunction compared with morphine in mice and rats.

References

Chen XT, et al. *J Med Chem*. 2013 Oct 24;56(20):8019-31.

DeWire SM, et al. *J Pharmacol Exp Ther*. 2013 Mar;344(3):708-17.

Schneider S, et al. *Biochemistry*. 2016 Nov 22;55(46):6456-6466.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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