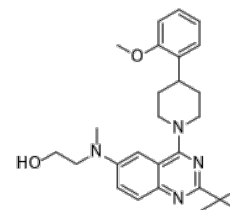


**Product Name** : SBI-810  
**Cat. No.** : PC-24645  
**CAS No.** : 1849603-79-7  
**Molecular Formula** : C<sub>27</sub>H<sub>34</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 446.60  
**Target** : Neurotensin Receptor  
**Solubility** : 10 mM in DMSO



CAS: 1849603-79-7

## Biological Activity

SBI-810 is a potent, selective arrestin-biased allosteric modulator of **neurotensin receptor 1 (NTSR1, NTR1)**.

SBI-810 inhibits acute pain in naive mice through NTSR1 and  $\beta$ arr2.

SBI-810 stimulated  $\beta$ arr2 recruitment to the human NTSR1, failed to stimulate NTSR1-mediated activation of Gq.

SBI-810 (12 mg/kg, i.p.) effectively alleviated mechanical, spontaneous, and cold pain in mouse model of plantar incision-induced postoperative pain.

SBI-810 blocks peripheral and central sensitization in DRG and spinal cord neurons.

SBI-810 mitigates opioid abuse and does not impair motor and cognitive function

## References

Guo R, et al. *Cell*. 2025 May 15:S0092-8674(25)00508-2.

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

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