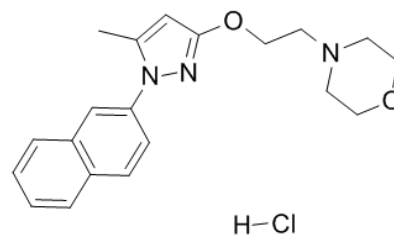


**Product Name** : S1RA hydrochloride  
**Cat. No.** : PC-45418  
**CAS No.** : 1265917-14-3  
**Molecular Formula** : C<sub>20</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 373.8765  
**Target** : Sigma Receptor  
**Solubility** : DMSO: ≥ 57 mg/mL



## Biological Activity

S1RA hydrochloride (E52862) is a potent and selective **sigma-1 receptor** (S1R) antagonist with K<sub>i</sub> of 17 nM. S1RA (E52862) shows excellent selectivity over sigma-2 receptor (K<sub>i</sub>>1 μM). S1RA (E52862) shows high activity in the mouse capsaicin model of neurogenic pain, exerts dose-dependent antinociceptive effects in several neuropathic pain models.

## References

- Díaz JL, et al. *J Med Chem.* 2012 Oct 11;55(19):8211-24.  
Romero L, et al. *Br J Pharmacol.* 2012 Aug;166(8):2289-306.  
Nieto FR, et al. *J Pain.* 2012 Nov;13(11):1107-21.

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

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