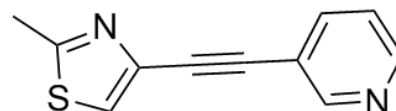


**Product Name** : MTEP hydrochloride  
**Cat. No.** : PC-43392  
**CAS No.** : 1186195-60-7  
**Molecular Formula** : C<sub>11</sub>H<sub>9</sub>ClN<sub>2</sub>S  
**Molecular Weight** : 236.7206  
**Target** : mGluR  
**Solubility** : 10 mM in DMSO



H-Cl

## Biological Activity

MTEP hydrochloride is a potent, selective, non-competitive mGlu5 antagonist with IC<sub>50</sub> of 5 nM and K<sub>i</sub> of 16 nM; produces antidepressant effects in several rodent models of depression, also demonstrates neuroprotective potential by preventing excitotoxic neuronal damage.

## References

Busse CS, et al. Neuropsychopharmacology. 2004 Nov;29(11):1971-9.

Keck TM, et al. ACS Med Chem Lett. 2012 Jul 12;3(7):544-549.

Rasmussen K, et al. Neuropharmacology. 2005 Feb;48(2):173-80.

Ossowska K, et al. Neuropharmacology. 2005 Sep;49(4):447-55.

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

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