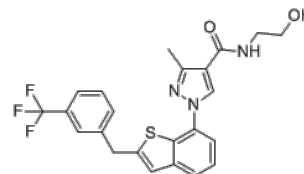


**Product Name** : WO-459  
**Cat. No.** : PC-72130  
**CAS No.** : 1313195-84-4  
**Molecular Formula** : C<sub>23</sub>H<sub>20</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight** : 459.487  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

WO-459 (WO459) is the first potent and orally available agonist of **GPR52** with pEC<sub>50</sub> of 7.53.

WO-459 induced dose-dependent elevation of intracellular cAMP in HEK293/GPR52 cells with EC<sub>50</sub> value of 6.0 nM.

WO-459 significantly suppressed methamphetamine-induced hyperactivity in mice after oral administration of 3 mg/kg without disturbance of motor function.

### References

Song H, et al. **Brain**. 2018 Jun 1;141(6):1782-1798.

Masaki Setoh, et al. **J Med Chem**. 2014 Jun 26;57(12):5226-37.

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

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