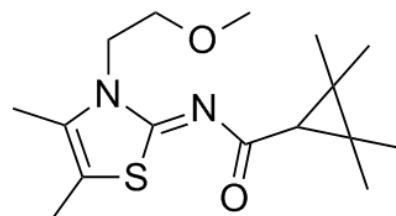


**Product Name** : A-836339  
**Cat. No.** : PC-43187  
**CAS No.** : 959746-77-1  
**Molecular Formula** : C<sub>16</sub>H<sub>26</sub>N<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 310.4548  
**Target** : Cannabinoid Receptor  
**Solubility** : DMSO: 12 mg/mL



### Biological Activity

A-836339 (A836339) is a potent and selective cannabinoid **CB2** receptor agonist with K<sub>i</sub> of 0.64 and 0.76 nM for human and rat CB2 receptors, displays 425- and 189-fold selectivity over CB1 receptor, respectively.

A-836339 exhibits full agonist efficacy (E<sub>max</sub>=102%) with high potency (EC<sub>50</sub>=1.6 nM), greater potency than other CB2-selective ligands including JWH-015 and GW-842166X.

A-836339 exhibits a potent CB2 receptor-mediated antihyperalgesic effect in various animal pain models.

A-836339 also demonstrates efficacies in the chronic constriction injury (CCI) model of neuropathic pain.

### References

Yao BB, et al. J Pharmacol Exp Ther. 2009 Jan;328(1):141-51.

McGaraughy S, et al. Neuroscience. 2009 Feb 18;158(4):1652-61.

Hsieh GC, et al. Br J Pharmacol. 2011 Jan;162(2):428-40.

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

E-mail: tech@probechem.com