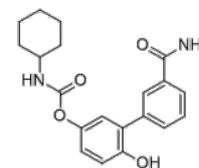


**Product Name** : URB937  
**Cat. No.** : PC-38094  
**CAS No.** : 1357160-72-5  
**Molecular Formula** : C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O<sub>4</sub>  
**Molecular Weight** : 354.406  
**Target** : FAAH  
**Solubility** : 10 mM in DMSO



## Biological Activity

URB937 (URB 937) is a potent, peripherally restricted **FAAH** inhibitor with IC<sub>50</sub> of 26.8 nM.

URB937 suppresses FAAH activity and increases anandamide levels outside the central nervous system (CNS), shows inability to access brain and spinal cord.

URB937 attenuates behavioral responses indicative of persistent pain in rodent models of peripheral nerve injury and inflammation, and prevents noxious stimulus-evoked neuronal activation in spinal cord regions implicated in nociceptive processing.

URB937 inhibits peripheral FAAH activity in vivo both rapidly and lastingly.

URB937 attenuates formalin-induced pain behavior and spinal cord Fos protein expression in rats.

## References

Clapper JR, et al. Nat Neurosci. 2010 Oct;13(10):1265-70.

Moreno-Sanz G, et al. Pharmacol Res. 2011 Oct;64(4):359-63.

Moreno-Sanz G, et al. Pharmacol Res. 2014 Sep;87:87-93.

Sasso O, et al. Pharmacol Res. 2012 May;65(5):553-63.

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

E-mail: tech@probechem.com