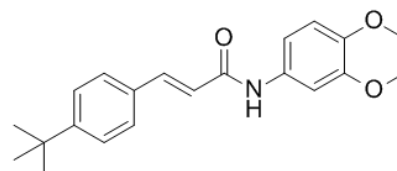


Product Name : AMG-9810
Cat. No. : PC-42419
CAS No. : 545395-94-6
Molecular Formula : C₂₁H₂₃NO₃
Molecular Weight : 337.42
Target : TRP Channel
Solubility : DMSO: ≥ 33 mg/mL



Biological Activity

AMG-9810 is a potent, selective and competitive **TRPV1** antagonist with IC₅₀ of 24.5 and 85.6 nM for human and rat TRPV1, respectively.

AMG-9810 blocks capsaicin-evoked depolarization and CGRP release in cultures of rat dorsal root ganglion primary neurons.

AMG-9810 is the first cinnamide TRPV1 antagonist reported to block capsaicin-induced eye wiping behavior and reverse hyperalgesia in an animal model of inflammatory pain.

References

Gavva NR, et al. *J Pharmacol Exp Ther*. 2005 Apr;313(1):474-84.

Gavva NR, et al. *J Neurosci*. 2007 Mar 28;27(13):3366-74.

Peles S, et al. *Neuroscience*. 2009 Jun 30;161(2):515-25.

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

E-mail: tech@probechem.com