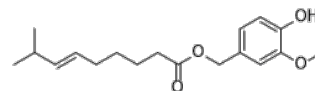


Product Name : Capsiate
Cat. No. : PC-25854
CAS No. : 205687-01-0
Molecular Formula : C₁₈H₂₆O₄
Molecular Weight : 306.40
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

Capsiate is a non-pungent capsaicin analog and potent, selective TRPV1 agonist, evokes inward currents at -60 mV in the HEK293 cells expressing TRPV1 with EC₅₀ of 290 nM.

Capsiate is the main ingredient of "CH-19 Sweet" (*Capsicum annuum* L.) produced by selective breeding of red pepper.

Capsiate suppresses T cell activation by inhibiting NF-κB-dependent transcriptional activity.

Capsiate does activate the cloned capsaicin receptor TRPV1 with a similar potency as capsaicin.

Subcutaneously-injected capsiate induces nociceptive responses in mice.

References

Sancho R, et al. Eur J Immunol. 2002 Jun;32(6):1753-63.

Shintaku K, et al. Br J Pharmacol. 2012 Mar;165(5):1476-86.

Iida T, et al. Neuropharmacology. 2003 Jun;44(7):958-67.

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

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