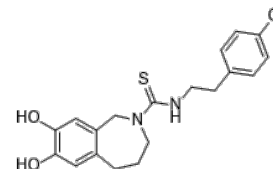


Product Name : Capsazepine
Cat. No. : PC-22981
CAS No. : 138977-28-3
Molecular Formula : C₁₉H₂₁ClN₂O₂S
Molecular Weight : 376.90
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

Capsazepine is a selective antagonist of vanilloid receptor TRPV1 with IC₅₀ of 562 nM.

Capsazepine inhibited [(3)H]RTX binding to HEK293/VR1 cells with a K(i) value of 6.2 microM and binding to DRG membranes with a K(i) value of 8.6 microM.

Capsazepine induces ROS generation and ROS mediate Capsazepine-induced DR5 upregulation in HCT116 cells.

References

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Smart D, et al. Br J Pharmacol. 2000 Jan;129(2):227-30.

Trevisani M, et al. Nat Neurosci. 2002 Jun;5(6):546-51.

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

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