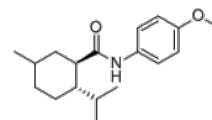


Product Name : WS-12
Cat. No. : PC-60786
CAS No. : 68489-09-8
Molecular Formula : C₁₈H₂₇NO₂
Molecular Weight : 289.41
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

WS-12 (Acoltremon, AR-15512, AVX-012) is a potent, selective **TRPM8** agonist with EC₅₀ of 12 uM, a cooling agent. WS-12 displays higher potency and efficacy compared to menthol (EC₅₀=193 uM), does activates thermo-sensitive TRP ion channel including TRPV1, TRPV2, TRPV3, TRPV4 and TRPA1 at 1 mM. WS-12 accelerates skin permeability barrier recovery, also reduces epidermal proliferation associated with barrier disruption.

References

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Anand U, et al. *Mol Pain.* 2010 Nov 24;6:82.
Denda M, et al. *Exp Dermatol.* 2010 Sep;19(9):791-5.
Gardiner JC, et al. *Eur J Pharmacol.* 2014 Oct 5;740:398-409.

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

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