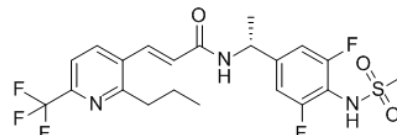


Product Name : Asivatrep
Cat. No. : PC-43202
CAS No. : 1005168-10-4
Molecular Formula : C₂₁H₂₂F₅N₃O₃S
Molecular Weight : 491.4747
Target : TRP Channel
Solubility : DMSO: ≥ 28 mg/mL



Biological Activity

Asivatrep (PAC-14028) is a potent, selective **TRPV1** antagonist with IC₅₀ of 55 nM against capsaicin-induced Ca²⁺ influx in rat DRG neurons, does not inhibit or activate other TRP channels such as hTRPV2, hTRPV3, hTRPM8 and hTRPA1.

Asivatrep inhibits capsaicin-evoked calcium influx in keratinocytes at sub-micromolar concentrations, blocks capsaicin-induced blood perfusion increase, and the accelerated barrier recovery from tape-stripping-induced barrier damages in hairless mice.

Asivatrep also attenuates dermatitis-associated barrier damages in Df and OXZ models.

References

Yun JW, et al. *J Dermatol Sci.* 2011 Apr;62(1):8-15.

Yun JW, et al. *J Invest Dermatol.* 2011 Jul;131(7):1576-9.

Lim KM, et al. *Arch Pharm Res.* 2012 Mar;35(3):393-6.

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

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