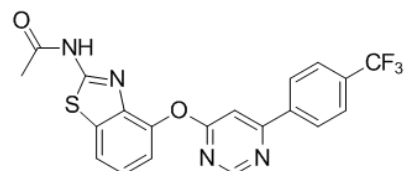


Product Name : AMG517
Cat. No. : PC-42689
CAS No. : 659730-32-2
Molecular Formula : C₂₀H₁₃F₃N₄O₂S
Molecular Weight : 430.403
Target : TRP Channel
Solubility : DMSO: 12.91 mg/mL (Need ultrasonic)



Biological Activity

AMG517 is a potent and selective vanilloid receptor **TRPV1** antagonist with IC₅₀ of 0.76 nM for hTRPV1.

AMG517 is effective in a rodent "on-target" biochemical challenge model (capsaicin-induced flinch, ED₅₀ = 0.33 mg/kg p.o.).

AMG517 exhibits antihyperalgesic in a model of inflammatory pain (CFA-induced thermal hyperalgesia, MED = 0.83 mg/kg, p.o.).

References

Doherty EM, et al. *J Med Chem*. 2007 Jul 26;50(15):3515-27.

Gavva NR, et al. *J Pharmacol Exp Ther*. 2007 Oct;323(1):128-37.

Gavva NR, et al. *Pain*. 2008 May;136(1-2):202-10.

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

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