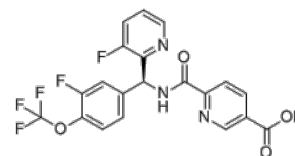


Product Name : AMG333
Cat. No. : PC-35612
CAS No. : 1416799-28-4
Molecular Formula : C₂₀H₁₂F₅N₃O₄
Molecular Weight : 453.325
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

AMG333 (AMG-333) is a potent, highly selective **TRPM8** antagonist with IC₅₀ of 13 nM and 20 nM for hTRPM8 and rTRPM8, respectively.

AMG333 displays high selectivity over other TRP channels (IC₅₀>20 μM, TRPV1/V3/V4/A1).

AMG333 exhibits statistically significant and dose-dependent prevention of icilin-induced rat WDS, at 0.6, 1 and 3 mg/kg, inhibits cold-induced increase in blood pressure in the rat CPT in a dose-dependent manner with 1 and 3 mg/kg producing significant inhibition with an ED₉₀ of 1.1 mg/kg, also fully blocks the cold pressor response at 3 mg/kg.

References

Horne DB, et al. *J Med Chem*. 2018 Aug 27. doi: 10.1021/acs.jmedchem.8b00518.

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

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