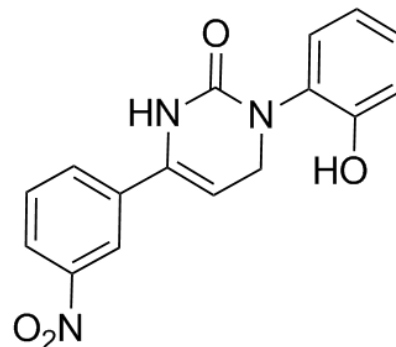


Product Name : Icilin
Cat. No. : PC-42799
CAS No. : 36945-98-9
Molecular Formula : C₁₆H₁₃N₃O₄
Molecular Weight : 311.2921
Target : TRP Channel
Solubility : DMSO: ≥ 54 mg/mL



Biological Activity

Icilin (AG-3-5) is a super-cooling agent that functions as a potent **TRPM8** agonist with EC₅₀ of 0.2 μM. Icilin (AG-3-5) also activates other cold-transducing receptors such as ANKTM1, increased [Ca²⁺]_i in mTRPM8-transfected HEK293 cells, this effect can be inhibited by low pH.

References

- Andersson DA, et al. J Neurosci. 2004 Jun 9;24(23):5364-9.
- Behrendt HJ, et al. Br J Pharmacol. 2004 Feb;141(4):737-45.
- McKemy DD, Nature. 2002 Mar 7;416(6876):52-8. et al.
- Chuang HH, et al. Neuron. 2004 Sep 16;43(6):859-69.

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

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