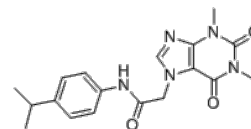


**Product Name** : HC-030031  
**Cat. No.** : PC-21579  
**CAS No.** : 349085-38-7  
**Molecular Formula** : C<sub>18</sub>H<sub>21</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** : 355.40  
**Target** : TRP Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

HC-030031 is a potent, selective **TRPA1** inhibitor, inhibits AITC- and formalin-evoked calcium influx with IC<sub>50</sub> of 6.2 and 5.3 μM, respectively.

HC-030031 does not block currents mediated by TRPV1, TRPV3, TRPV4, hERG, or NaV1.2 channels.

HC-030031 inhibition of TRPA1 attenuates formalin- and AITC-evoked pain behavior.

HC-030031 blocks formalin-evoked responses in vivo.

## References

Taylor-Clark TE, et al. *Mol Pharmacol*. 2008 Feb;73(2):274-81.

Eid SR, et al. *Mol Pain*. 2008 Oct 27;4:48.

Colleen R McNamara, et al. *Proc Natl Acad Sci U S A*. 2007 Aug 14;104(33):13525-30.

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

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