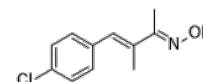


Product Name : AP-18
Cat. No. : PC-24809
CAS No. : 55224-94-7
Molecular Formula : C₁₁H₁₂ClNO
Molecular Weight : 209.67
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

AP-18 is a potent and selective TRPA1 inhibitor, blocks activation of TRPA1 by 50 μ M Cinnamaldehyde with IC₅₀ of 3.1 μ M and 4.5 μ M for human and mouse TRPA1 respectively.

AP-18 shows no effect on TRPV1, TRPV2, TRPV3, TRPV4, or TRPM8.

AP-18 reversibly blocks mouse TRPA1 responses to iodoacetamide in CHO cells assayed by ratiometric Ca²⁺ imaging.

AP-18 blocks cold- and mustard-oil-induced activation of mouse TRPA1.

AP-18 blocks cinnamaldehyde-induced TRPA1 currents in excised patches from *Xenopus* oocytes.

AP-18 reverses complete CFA-induced mechanical hyperalgesia in mice.

References

Petrus M, et al. Mol Pain. 2007;3:40. Published 2007 Dec 17.

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

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