AP-18

TRPA1 blocker

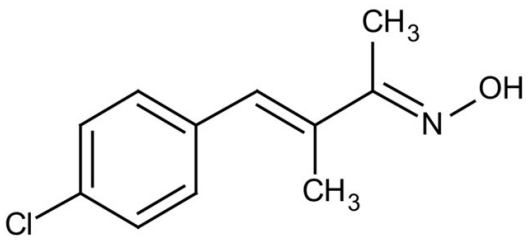
AP-18 is a novel TRPA1 channel blocker (CHO cells, IC_{50}= 3.1μM; human and mouse cell lines, IC_{50}= 4.5μM). It reduces cinnamaldehyde-induced nociception *in vivo* and blocks cold- and mustard oil-induced activation of mouse TRPA1 but not capsaicin-induced activation demonstrating selectivity *vs* TRPV1. AP-18 was unable to block activation of TRPV1, TRPV2, TRPV3, TRPV4 or TRPM8 at concentrations up to 50μM. It reverses CFA-induced mechanical hyperalgesia in mice.

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BML-CA239-0025	25mg

Manuals, SDS & CofA View Online »


CH3
OH
N
CH3
Cl

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	4-(4-Chlorophenyl)-3-methylbut-3-en-2-oxime
Appearance	White solid.
CAS	55224-94-7
Couple Target	TRP channel
Couple Type	Blocker
Formula	$C_{11}H_{12}ClNO$
MW	209.7
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (>25mg/ml); ethanol (25mg/ml).

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