

## AP-18, TRPA1 blocker

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Catalog	Unit
TBI1127-10MG	10 mg
TBI1127-50MG	50 mg

### Product Details

**Formal Name:** 4-(4-Chlorophenyl)-3-methylbut-3-en-2-oxime

**Molecular Formula:** C<sub>11</sub>H<sub>12</sub>ClNO

**Formula Weight:** 209.67

**CAS Number:** 55224-94-7

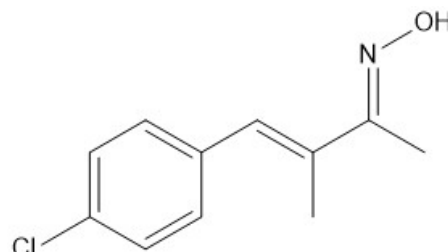
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml).

**Storage:** RT

**Stability:** ≥ 2 years.



### Applications

TRPA1 blocker

### Functions

TRPA1 channel blocker IC<sub>50</sub>=3.1-4.5 μM in various cell lines. Reduces cinnamaldehyde-induced nociception in vivo and blocks cold- and mustard oil-induced activation of mouse TRPA1 but not capsaicin-induced activation. Does not block TRPV1, V2, V3, V4 or M8 at concentrations up to 50 μM. Blocks TRPA1 pore dilation (IC<sub>50</sub>=10.3 μM). An important tool for assessing the role of TRPA1 in cell signaling and physiological processes.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 2 months.

**For research use only.**