

Polygodial, TRPA1 channel activator

Catalog	Unit
TBI1145-5MG	5 mg
TBI1145-25MG	25 mg

Product Details

Formal Name: (1R,4aS,8aS)-5,5,8a-Trimethyl-1,4,4a,6,7,8-hexahydronaphthalene-1,2-dicarboxaldehyde

Molecular Formula: C₁₅H₂₂O₂

Formula Weight: 234.34

CAS Number: 6754-20-7

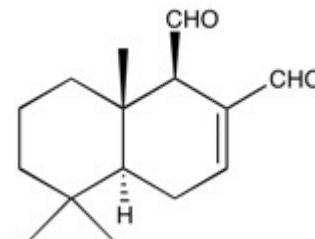
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

TRPA1 channel activator

Functions

TRPA1 agonist (EC₅₀=400 nM). A naturally occurring drimane sesquiterpene dialdehyde found in a variety of plant species including water pepper (*Polygonum hydropiper*). Has been used in folk medicine for a variety of indications. Displays analgesic activity via desensitization of sensory neurons.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 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.