

## Isohelenin, NFkB inhibitor

Catalog	Unit
TBI5393-5MG	5 mg
TBI5393-25MG	25 mg

### Product Details

**Formal Name:** (3aR,8aR,9aR)-8a-methyl-3,5-dimethylenedecahydronaphtho[2,3-b]furan-2(3H)-one

**Alternate Names:** Isoalantolactone

**Molecular Formula:** C<sub>15</sub>H<sub>20</sub>O<sub>2</sub>

**Formula Weight:** 232.30

**CAS Number:** 470-17-7

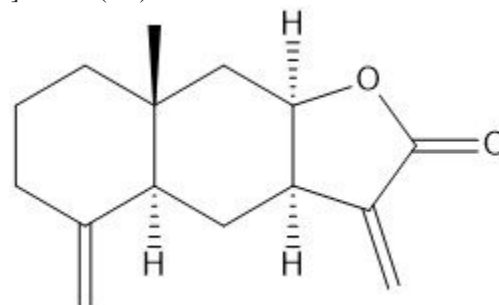
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (50 mg/ml); or Ethanol (30 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

NFkB inhibitor

### Functions

A sesquiterpene lactone isolated from Mexican Indian medicinal plants known to have anti-inflammatory properties. A potent inhibitor of NFkB (complete inhibition at 5 μM) acting via inhibition of IKKβ6. Isohelenin-mediated NFkB inhibition suppresses IL-8 expression, iNOS expression and RANTES biosynthesis. Displays protective effects in endotoxic shock in rodent models. Induces apoptosis in glioma cells.

### Application Procedures

First dissolved in DMSO (50 mg/ml); or Ethanol (30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**For research use only.**