

## Oridonin, HSP70 inhibitor; Inflammasome inhibitor

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Catalog	Unit
TBI2616-5MG	5 mg
TBI2616-25MG	25 mg

### Product Details

**Formal Name:** 7a,20-Epoxy-1a,6b,7,14-tetrahydroxykaur-16-en-15-one

**Alternate Names:** Isodonol

**Molecular Formula:** C<sub>20</sub>H<sub>28</sub>O<sub>6</sub>

**Formula Weight:** 364.43

**CAS Number:** 28957-04-2

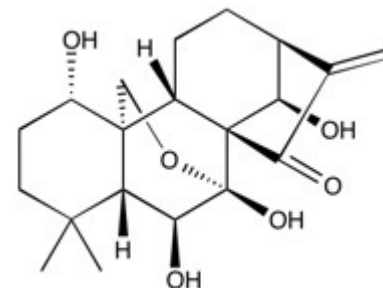
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 10 mg/ml with warming).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

HSP70 inhibitor; Inflammasome inhibitor

### Functions

A potent, covalent inhibitor of the NLRP3 inflammasome with anti-inflammatory activity in various mouse models. Inhibits vascular inflammation in vivo. Inhibits aberrant AKT activation in human breast cancer cells with hyperactivated PI3K/AKT signaling. Inhibits migration, invasion and adhesion of melanoma cells. Induces apoptosis in osteosarcoma cells by multiple pathways.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 2 months.

**For research use only.**