

## Betulinic acid, Mitochondrial permeability pore activator

---

Catalog	Unit
TBI2278-10MG	10 mg
TBI2278-100MG	100 mg

### Product Details

**Formal Name:** 3 $\beta$ -Hydroxy-20(29)-lupaene-28-oic acid

**Molecular Formula:** C<sub>30</sub>H<sub>48</sub>O<sub>3</sub>

**Formula Weight:** 456.72

**CAS Number:** 472-15-1

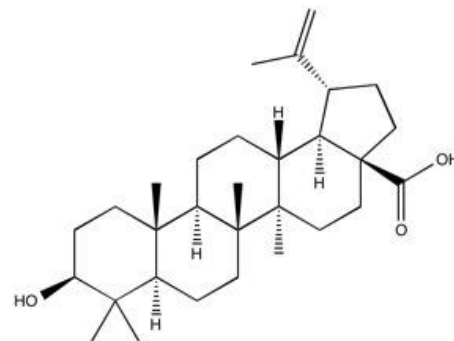
**Purity:** >98%

**Formulation:** powder

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

**Storage:** 4°C

**Stability:**  $\geq$  2 years.



### Applications

Mitochondrial permeability pore activator

### Functions

Natural Lupane triterpenoid from white birch tree (*Betula pubescens*). Induces apoptosis in a variety of cell lines. Induces mitochondrial permeability transition pore opening. Acts as a chemosensitizer for anticancer drug treatment in chemoresistant colon cancer cell lines. Displays anti-inflammatory and anti-angiogenic activity. Cell permeable.

### 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.**