

Betulinic acid, Mitochondrial permeability pore activator

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

Product Details

Formal Name: 3 β -Hydroxy-20(29)-lupaene-28-oic acid

Molecular Formula: C₃₀H₄₈O₃

Formula Weight: 456.72

CAS Number: 472-15-1

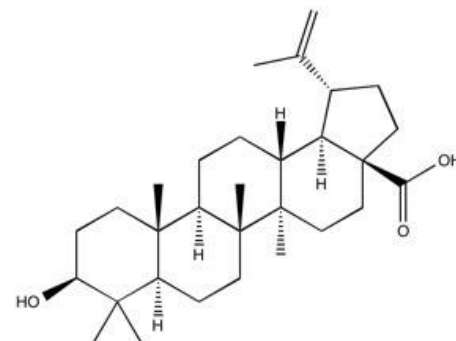
Purity: >98%

Formulation: powder

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

Storage: -20°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. 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.