

Catalog	Unit
TBI3941-200MG	200 mg
TBI3941-1G	1 g

### Product Details

**Formal Name:** Cholesta-5,7-dien-3 $\beta$ -ol

**Alternate Names:** Provitamin D3

**Molecular Formula:** C<sub>27</sub>H<sub>44</sub>O

**Formula Weight:** 384.7

**CAS Number:** 434-16-2

**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to at least 5 mg/ml with warming) or in Ethanol (up to 10 mg/ml)

**Storage:** -20°C

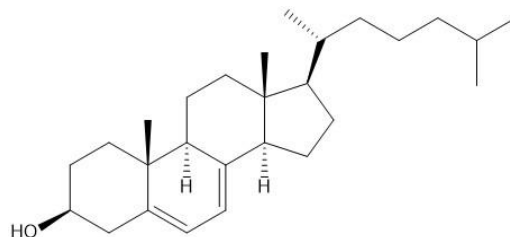
**Stability:**  $\geq$  2 years.

### Applications

Endogenous cholesterol precursor / Ferroptosis inhibitor

### Functions

Endogenous cholesterol precursor and is photochemically converted to vitamin D3 in the skin. It has recently been found to be a suppressor of ferroptosis and can confer a prosurvival state in cancer cells.



### Application Procedures

First dissolved in DMSO (5 mg/ml) or in Ethanol (10 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.**