

## Temsirolimus, mTOR inhibitor

Catalog	Unit
TBI3261-5MG	5 mg
TBI3261-25MG	25 mg

### Product Details

**Formal Name:** 42-[3-hydroxy-2-(hydroxymethyl)-2-methylpropanoate] rapamycin

**Molecular Formula:** C<sub>56</sub>H<sub>87</sub>NO<sub>16</sub>

**Formula Weight:** 1030.3

**CAS Number:** 162635-04-3

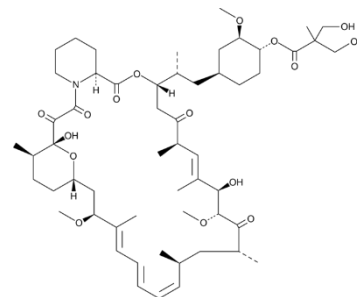
**Purity:** >95%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 12.5 mg/ml), ethanol (up to 10 mg/ml), and DMF (up to 20 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 4 years.



### Applications

mTOR(mammalian target of rapamycin) inhibitor

### Functions

Temsirolimus specifically inhibits mTOR signaling and inhibits the growth and proliferation of various breast cancer cell lines.

### Procedures

First dissolved in DMSO (up to 12.5 mg/ml), ethanol (up to 10 mg/ml), and DMF (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 day.

**For research use only.**