

## 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

**Alternate Names:** CCI-779

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

**Formula Weight:** 1030.3

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

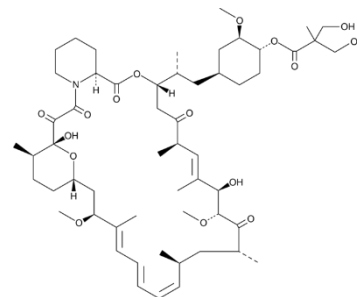
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 100 mg/ml); or Ethanol (100 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 4 years.



### Applications

mTOR(mammalian target of rapamycin) inhibitor

### Functions

Analog of rapamycin with similar inhibition of mTOR. Inhibited human rhabdomyosarcoma xenograft growth and angiogenesis. Caused G1/S cell cycle arrest in liver cancer cells.

### Procedures

First dissolved in DMSO (up to 100 mg/ml) or Ethanol (100 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 1 day.

**For research use only.**