

## Guggulsterone (Z-), FXR antagonist

Catalog	Unit
TBI3816-5MG	5 mg
TBI3816-25MG	25 mg

### Product Details

**Formal Name:** (Z)-Pregna-4,17(20)-diene-3,16-dione

**Molecular Formula:** C<sub>21</sub>H<sub>28</sub>O<sub>2</sub>

**Formula Weight:** 312.45

**CAS Number:** 39025-23-5

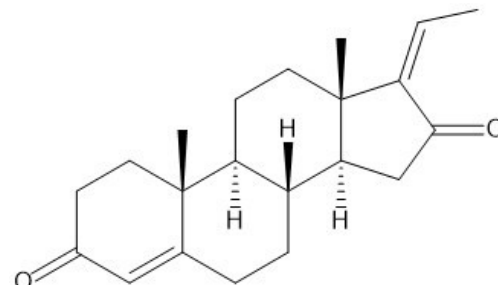
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 6 mg/ml with warming) or in Ethanol (up to 3 mg/ml with warming)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

FXR antagonist

### Functions

A natural steroid from *Commiphora mukul* extract (guggulipid) which lowers cholesterol and acts as an FXR antagonist. Attenuates astrocyte-mediated neuroinflammation. Induces differentiation of pluripotent stem cells to dopaminergic neurons. Produces antidepressant-like effects via activation of the BDNF signaling pathway in mouse models.

### Application Procedures

First dissolved in DMSO (up to 6 mg/ml with warming) or in Ethanol (up to 3 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**For research use only.**