

## Fulvestrant, Estrogen receptor antagonist

| Catalog      | Unit  |
|--------------|-------|
| TBI2541-5MG  | 5 mg  |
| TBI2541-25MG | 25 mg |

### Product Details

**Formal Name:** 7 $\alpha$ ,17 $\beta$ -[9-[(4,4,5,5,5-Pentafluoropentyl)sulfinyl]nonyl]estra-1,3,5(10)-triene-3,17-diol

**Alternate Names:** ICI 182780; ZD-9238

**Molecular Formula:** C<sub>32</sub>H<sub>47</sub>F<sub>5</sub>O<sub>3</sub>S

**Formula Weight:** 606.80

**CAS Number:** 129453-61-8

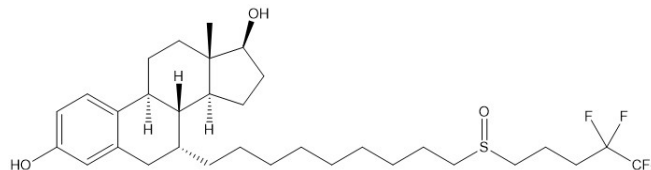
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 100 mg/ml) or in Ethanol (up to 50 mg/ml).

**Storage:** -20°C

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



### Applications

Estrogen receptor antagonist

### Functions

17 $\beta$ -estradiol analog that acts as an estrogen receptor (ER) antagonist and GPR30/GPER agonist with high binding affinity. First-in-class SERD (selective ER degrader) because it inhibits ER transcriptional activity and leads to its degradation. Exhibits mixed neuroprotective activity in vivo. Clinically useful option for some advanced breast cancers.

### Application Procedures

First dissolved in DMSO (up to 100 mg/ml) or in Ethanol (up to 50 mg/ml), 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.**