

## Docetaxel, Microtubule stabilizing agent

Catalog	Unit
TBI2286-5MG	5 mg
TBI2286-25MG	25 mg

### Product Details

**Alternate Names:** Taxotere; RP-56976; NSC-628503

**Molecular Formula:** C<sub>43</sub>H<sub>53</sub>NO<sub>14</sub>

**Formula Weight:** 807.90

**CAS Number:** 114977-28-5

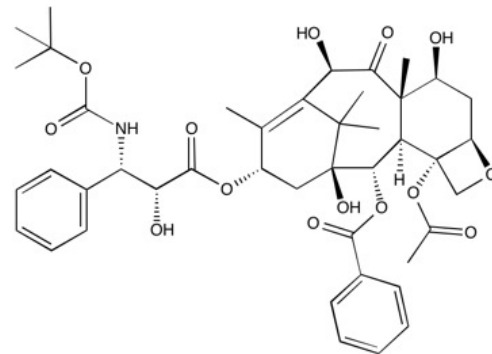
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Microtubule stabilizing agent

### Functions

Antimitotic chemotherapeutic which inhibits via reversible high-affinity binding to microtubules. Induces apoptosis in a variety of cancer cell lines however, tumor cells can quickly develop resistance to docetaxel via several mechanisms. Can act in synergy with a variety of other anticancer agents including kinase inhibitors.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 3 months.

**For research use only.**