

## Picropodophyllotoxin, IGF1R inhibitor

Catalog	Unit
TBI2189-5MG	5 mg
TBI2189-25MG	25 mg

### Product Details

**Formal Name:** (5R,5aS,8aR,9R)-5,8,8a,9-Tetrahydro-9-hydroxy-5-(3,4,5-trimethoxyphenyl)-furo[3',4':6,7-]naphtho[2,3-d]-1,3-dioxol-6(5aH)-one

**Molecular Formula:** C<sub>22</sub>H<sub>22</sub>O<sub>8</sub>

**Formula Weight:** 414.42

**CAS Number:** 477-47-4

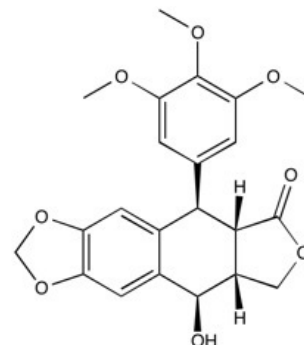
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 40 mg/ml).

**Storage:** RT

**Stability:** ≥ 1 year.



### Applications

IGF1R inhibitor

### Functions

Potent and selective inhibitor of insulin-like growth factor 1 receptor (IGF1R) which is non-competitive with ATP. Displays no activity at IR, EGFR, FGFR or PDGFR. Inhibits IGF1R autophosphorylation IC<sub>50</sub> ~ 1 nM. Displays antiproliferative activity in numerous tumor cell lines, IC<sub>50</sub> = 0.05 - 15 μM. Exhibits antiangiogenic activity. Attenuates intimal hyperplasia after vascular injury. Active in vivo.

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

**For research use only.**