

Catalog	Unit
TBI1256-100MG	100 mg
TBI1256-1G	1g

Product Details

Formal Name: (2)-2-[4-(1,2-Diphenyl-1-butenyl)phenoxy]-N,N-dimethylethanamine citrate

Alternate Names: ICI-46474

Molecular Formula: C₂₆H₂₉NO · C₆H₈O₇

Formula Weight: 563.65

CAS Number: 54965-24-1

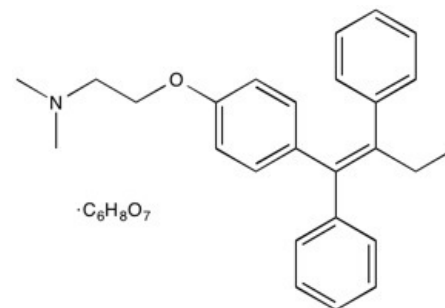
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

Estrogen receptor antagonist; GPR30 agonist

Functions

Estrogen receptor antagonist/partial agonist. Induces oxidative stress and apoptosis in estrogen receptor-negative cancer cell lines. Displays neuroprotective effects in permanent focal ischemia. Inhibits PKC. Potent agonist at GPR30 (membrane estrogen receptor). Clinically useful breast cancer agent.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.