

Catalog	Unit
TBI1565-5MG	5 mg
TBI1565-25MG	25 mg

### Product Details

**Formal Name:** 2,3-bis[(2-Hydroxyethyl)thiol]-1,4-naphthoquinone

**Molecular Formula:** C<sub>14</sub>H<sub>14</sub>O<sub>4</sub>S<sub>2</sub>

**Formula Weight:** 310.39

**CAS Number:** 93718-83-3

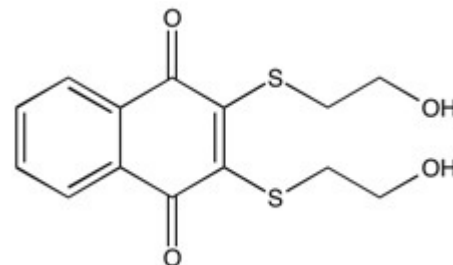
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 15 mg/ml) or in Ethanol (up to 1 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

CtBP inhibitor; cdc25 phosphatase inhibitor

### Functions

A potent and selective inhibitor of Cdc25 phosphatase (K<sub>i</sub> = 32, 96 and 40 nM for Cdc25A, B and C respectively). NSC-95397 inhibits the growth of several human tumor cell lines and blocks G2/M cell cycle transition. Induces cell cycle arrest, phosphorylation of EGFR and activation of ERK-1 and -2. Inhibits carboxyl-terminal binding protein a transcriptional corepressor that suppresses multiple pro-apoptotic and epithelial genes. Induces eryptosis in human erythrocytes.

### Application Procedures

First dissolved in DMSO (up to 15 mg/ml) or in Ethanol (up to 1 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**For research use only.**