

Catalog	Unit
TBI1538-5MG	5 mg
TBI1538-25MG	25 mg

### Product Details

**Formal Name:** 5-(3-bromo-4-(dimethylamino)phenyl)-2,2-dimethyl-2,3,5,6-tetrahydrobenzo[a]-phenanthridin-4(1H)-one

**Molecular Formula:** C<sub>27</sub>H<sub>27</sub>BrN<sub>2</sub>O

**Formula Weight:** 475.40

**CAS Number:** 311795-38-7

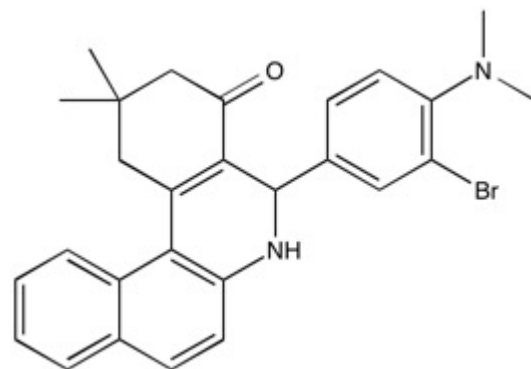
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to (11 mg/ml); or ethanol (up to 1 mg/ml, warm)

**Storage:** RT

**Stability:** ≥ 2 years.



### Applications

Glutaminase C inhibitor

### Functions

Allosteric inhibitor of glutaminase C (GAC). Inhibition of GAC blocks oncogenic transformation induced by Rho GTPases in fibroblasts and B lymphoma cells with no effect on normal cells. Inhibits liver-type glutaminase GLS2 and suppresses breast tumor growth in vivo. Reverses acquired erlotinib resistance in non-small cell lung cancer.

### Application Procedures

First dissolved in DMSO (up to (11 mg/ml); or ethanol (up to 1 mg/ml, warm), 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.**