

## Silmitasertib, CK2 inhibitor

Catalog	Unit
TBI4809-5MG	5 mg
TBI4809-25MG	25 mg

### Product Details

**Formal Name:** 5-[(3-Chlorophenyl)amino]-benzo[c]-2,6-naphthyridine-8-carboxylic acid

**Alternate Name:** CX-4945

**Molecular Formula:** C<sub>19</sub>H<sub>12</sub>ClN<sub>3</sub>O<sub>2</sub>

**Formula Weight:** 349.8

**CAS Number:** 1009820-21-6

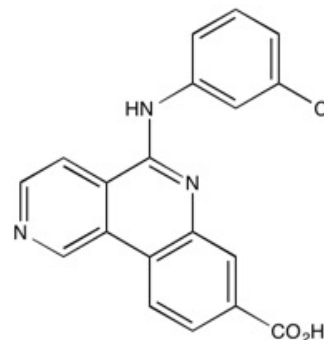
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (30 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years



### Applications

CK2 inhibitor

### Functions

A potent and orally bioavailable inhibitor of casein kinase 2 ( $K_i=0.38$  nM) acting at the ATP-binding site. It has been in preclinical and clinical development for a variety of cancers. It inhibits CK2-mediated phosphorylation of the SALL2 tumor suppressor preventing its proteasomal degradation and induces cell death in a variety of tumor cell lines. It inhibits fibroblast-like synoviocytes reducing rheumatoid arthritis disease severity in rodent models and inhibits collagen degradation.

### Application Procedures

First dissolved in DMSO (30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

**For research use only.**