

## Product Information

### Casein kinase inhibitor CX-4945, Purity ≥98%

**Cat. No.:** X24-07-ZQ190

**Size:** 2 mg; 5 mg; 10 mg; 50 mg

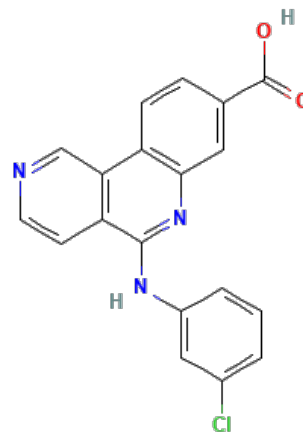
**MDL:** MFCD13184796

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

**Compound CID:** 24748573

**Synonym:** 1009820-21-6; Casein kinase inhibitor; Silmitasertib; CX 4945; CX4945

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	CX-4945, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits Casein kinase activity. It targets CK2.
<b>Molecular Weight</b>	349.8
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>12</sub> ClN <sub>3</sub> O <sub>2</sub>
<b>Targets</b>	CK2: 1 nM
<b>IUPAC Name</b>	5-(3-Chloroanilino)benzo[c][2,6]naphthyridine-8-carboxylic acid
<b>InChI</b>	InChI=1S/C19H12ClN3O2/c20-12-2-1-3-13(9-12)22-18-15-6-7-21-10-16(15)14-5-4-11(19(24)25)8-17(14)23-18/h1-10H,(H,22,23)(H,24,25)
<b>InChI Key</b>	MUOKSQABCJCOPU-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CC(=CC(=C1)Cl)NC2=NC3=C(C=CC(=C3)C(=O)O)C4=C2C=CN=C4
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 14 mg/mL (40.02 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	CX-4945 is studied for its inhibitory action on casein kinase 2, relevant in cancer and inflammation research.
<b>Storage</b>	Store at -20°C, and keep desiccated.

