

## Dinaciclib, CDK inhibitor

Catalog	Unit
TBI4845-5MG	5 mg
TBI4845-25MG	25 mg

### Product Details

**Formal Name:** 2-[(2S)-1-[3-Ethyl-7-[(1-oxidopyridin-1-ium-3-yl)methylamino]pyrazolo[1,5-a]pyrimidin-5-yl]piperidin-2-yl]ethanol

**Alternate Name:** SCH 727965

**Molecular Formula:** C<sub>21</sub>H<sub>28</sub>N<sub>6</sub>O<sub>2</sub>

**Formula Weight:** 396.5

**CAS Number:** 779353-01-4

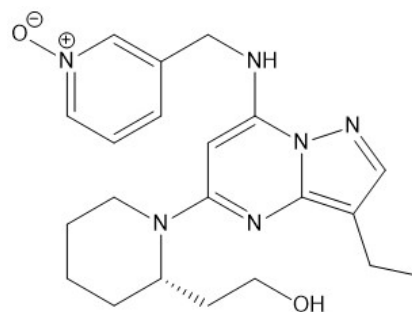
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (> 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years



### Applications

CDK inhibitor

### Functions

Potent and selective inhibitor of cyclin-dependent kinases CDK1, CDK2, CDK5, and CDK9 (IC<sub>50</sub>s respectively: 3 nM, 1 nM, 1 nM, and 4 nM). Active across multiple human cancer cell lines and in mouse xenograft models.

### Application Procedures

First dissolved in DMSO (> 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**