

## Y-27632 2HCl, ROCK family kinase inhibitor

---

Catalog	Unit
TBI2301-5MG	5 mg
TBI2301-25MG	25 mg

### Product Details

**Formal Name:** (R)-(+)-trans-4-(1-Aminoethyl)-N-(4-pyridyl)cyclohexanecarboxamide dihydrochloride

**Molecular Formula:** C<sub>14</sub>H<sub>21</sub>N<sub>3</sub>O · 2HCl

**Formula Weight:** 320.26

**CAS Number:** 129830-38-2

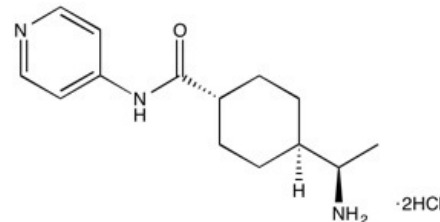
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO up to 25 mg/ml or in Methanol (up to 25 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

ROCK family kinase inhibitor

### Functions

Specific inhibitor of ROCK family kinases. Enhances stem cell survival and proliferation in culture. Significantly improves freeze/thaw survival rate for human embryonic stem cells without influencing morphology, karyotype, cell surface markers, or differentiation potential.

### Application Procedures

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

**For research use only.**