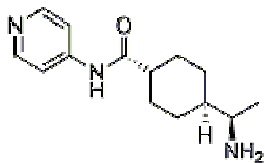


# Product Sheet

## Y-27632

<b>Catalog #</b>	Y-001; Y-005; Y-025
<b>Description</b>	Y-27632, (1R,4r)-4-((R)-1-aminoethyl)-N-(pyridine-4-yl) cyclohexane-carboxamid-2HCl, is a Rho-associated kinase (ROCK) inhibitor. Y-27632 has been shown to prevent apoptosis as well as enhance the survival and cloning efficiency of dissociated human embryonic stem (ES) cells without affecting their pluripotency.  <i>Ref: Watanabe, K., et al. (2007). A ROCK inhibitor permits survival of dissociated human embryonic stem cells. Nat Biotechnol 25: 681-686.</i>
<b>Formulation</b>	Powder
<b>Reconstitution</b>	Before reconstitution, we recommend a brief spin to drive down any material dislodged from the bottom of the tube. The compound is soluble in DMSO.
<b>Stability</b>	The powder is stable for at least 2 year if stored at -20 degree C. The dissolved compound is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -20 degree C for longer term. Protect from light.
<b>Purity</b>	Greater than 99% as determined by LC/MS analysis. LC/MS and/or NMR data available upon request.
<b>Biological Activity</b>	Tested active for culturing human iPS cells in serum-free medium on Matrigel coated plates.

### Structural Info



M.W.: 320.26  
Formula: C<sub>14</sub>H<sub>21</sub>N<sub>3</sub>O  
Solubility: DMSO  
CAS No.: 146986-50-7

**For Research Use Only. Not for Use in Humans.**