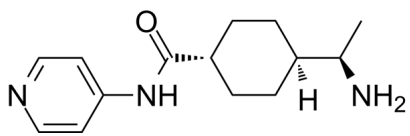


Data Sheet

Product Information

Catalog Number	BP10577
Product Name	Y-27632
Description	Y-27632 is a selective ATP-competitive inhibitor of ROCK-I and ROCK-II.
Targets&IC50	ROCK-I: 220 nM(ki), ROCK-II: 300 nM(ki)
In vitro	Y-27632 is dissolved in water and stored. HeLa cells are plated at a density of 3×10^4 cells per 3.5-cm dish. The cells are cultured in DMEM containing 10% FBS in the presence of 10 mM Thymidine for 16 h. After the cells are washed with DMEM containing 10% FBS, they are cultured for an additional 8 h, and then 40 ng/mL of Nocodazole is added. After 11.5 h of the Nocodazole treatment, various concentrations of Y-27632 (0-300 μ M), Y-30141, or vehicle is added and the cells are incubated for another 30 min.
Synonyms	Y27632
CAS No.	146986-50-7
Chemical Formula	C ₁₄ H ₂₁ N ₃ O
Molecular Weight	247.342
Solubility	DMSO: 100 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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