Y-27632 Dihydrochloride

Catalogue Number : 1293823

Product Information

Synonyms: Y 27632, N-(4-pyridyl)-4-(1-aminoethyl)cyclohexanecarboxamide, trans-4-[[1R]-1-Aminoethyl]-N-4-pyridinylcyclohexanecarboxamide dihydrochloride

Chemical Name: 4-[(1R)-1-aminoethyl]-N-pyridin-4-ylcyclohexane-1-carboxamide; dihydrochloride

Molecular Formula: C14H21N3O2HCl

Molecular Weight: 320.3

CAS Number: 129830-38-2

Purity: ≥98%

Applications: FA

Formulation: Crystalline solid

Storage: Product should be kept at -20°C.

Description

Y-27632 is a selective inhibitor of Rho-associated coiled-coil forming protein serine/threonine kinase (ROCK) family of protein kinases that selectively competes with ATP for binding to the catalytic site. It is reported to diminish dissociation-induced apoptosis, increase cloning efficiency, and facilitate subcloning after gene transfer in human embryonic stem cells (hES).

Preparation & Storage

Soluble in organic solvents such as ethanol and DMSO. DMSO up to 90mM. For solvent free solutions, soluble in PBS (pH7.2) up to 30mM.

References

