

Y-27632 dihydrochloride (Qk1104)



Type: Small molecules

Available for purchase: unit size (mg): 5, 10

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Product Information

Y-27632 dihydrochloride (Y-27632 2HCl) is an orally potent, ATP-competitive inhibitor of ROCK-I and ROCK-II. Y-27632 dihydrochloride also inhibits isolation-induced apoptosis in mouse prostate stem or progenitor cells.

Alternative protein names

Y-27632.2HCl, Y-27632 2HCl

Product Size Wording

Sourced from a trusted supplier and order fulfilled by Qkine

Molecular weight

Molecular Weight: 320.26

Protein Uniprot number

Cas No. 129830-38-2

Product Information

- Chemical name: 4-[(1R)-1-aminoethyl]-N-4-pyridinyl-trans-cyclohexanecarboxamide, dihydrochloride
- Formula: $C_{14}H_{21}N_3O \cdot 2HCl$

- Storage: powder -20°C for 1 year, in solvent -80°C for 1 year
- Solubility in DMSO 255 mg/ml, water 32 mg/ml

Featured applications

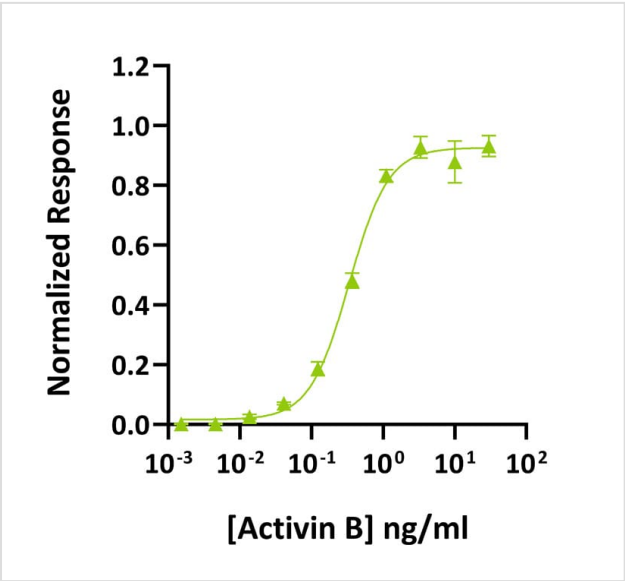
- Induced pluripotent stem cell culture and maintenance
- Differentiation of iPSC into endoderm, mesoderm and ectoderm
- Differentiation of midbrain dopaminergic neurons
- Stem cell differentiation into neural and microglial lineages
- Differentiation of induced pluripotent stem cells to astrocytes

Further quality assays

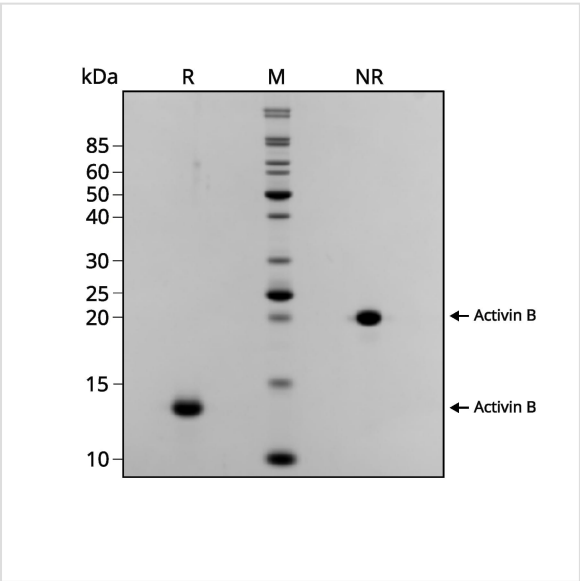
- >99% purity
- HPLC/HNMR: Consistent with structure

Scientific Information

Bioactivity



Purity



Original product page: <https://qkine.com/product/y-27632-dihydrochloride-qk1104/>

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