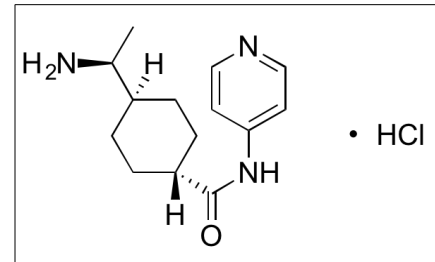




Product Information



Bulk quantities available upon request

Product ID	Size
Y1000	1 mg
Y1000	5 mg
Y1000	25 mg

Product ID Y1000
CAS No. 129830-38-2
Chemical Name

Synonym

Formula $\text{C}_{14}\text{H}_{21}\text{N}_3\text{O} \cdot 2\text{HCl}$
Formula Wt. 320.26
Melting Point 286.2°C
Purity $\geq 99\%$
Solubility DMSO 64 mg/mL warmed
(199.83 mM)
Water 14 mg/mL (43.71
mM)
Ethanol Insoluble

Store Temp Ambient
Ship Temp Ambient

Description Y27632 is a selective inhibitor of Rho-associated protein kinase (ROCK); Y27632 binds to the catalytic site of ROCK, preventing binding of Ras-related GTPase Rho A, which is involved in actin cytoskeleton reorganization, cell adhesion, and cell migration. Y27632 inhibits downstream endothelin and TGF- β -related signaling. This compound exhibits neuroprotective and neuromodulatory activity, displaying benefit in animal models of Parkinson's Disease and inhibiting conditioned place aversion in animal models of memory formation. Reduces dissociation-induced apoptosis in embryonic and neural stem cells. Increases stem cell cloning efficiency.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.