H-1152 . dihydrochloride

ROCK inhibitor

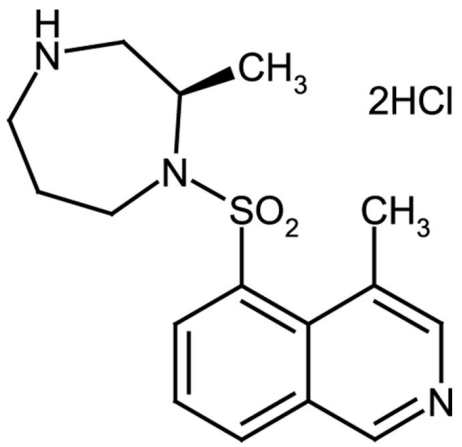
A cell permeable, highly specific, potent and ATP-competitive inhibitor of Rho kinase (ROCK) (K_i=1.6nM). Exhibits a much weaker affinity for other serine/threonine kinases (K_i=630nM for PKA, 9.27mM for PKC and 10.1mM for MLCK). More potent and selective than Y-27632 (Prod. No. ALX-270-333). Inhibits the phosphorylation of MARCKS in cells stimulated by lysophosphatidic acid. Inhibits EP3-stimulated NO formation. Prevents fragmentation of apoptotic cells. Relieves neuropathic pain.

Citations: 18 View Online »

Ordering Information Order Online »

ALX-270-423-M001	1mg
ALX-270-423-M005	5mg
ALX-270-423-M025	25mg

Manuals, SDS & CofA View Online »


H
N
CH3
2HCl
N
SO2
CH3
N

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light. Hygroscopic.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	H-1152P . 2HCl, (S)-(+)-2-Methyl-1-[(4-methyl-5-isoquinolinyl)sulfonyl]homopiperazine . 2HCl
Appearance	White to off-white solid.
CAS	451462-58-1
Couple Target	ROCK
Couple Type	Inhibitor
Formula	$C_{16}H_{21}N_3O_2S$. 2HCl
Identity	Identity determined by 1H-NMR and 13C-NMR.
MW	319.4 . 73.0
Purity	≥98% (TLC)
Solubility	Soluble in water.

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