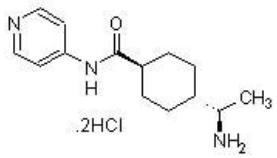
abcam

Product datasheet

Y-27632 dihydrochloride (mM/ml), Rho kinase inhibitor ab144494

13 References 2 图像

概述

产品名称	Y-27632 dihydrochloride (mM/ml), Rho kinase抑制剂
描述	Selective Rho kinase抑制剂. 1 ml water soluble pack.
生物学描述	Selective Rho kinase inhibitor. Soluble in 1 ml water to give specified mM/ml concentration. **Find out more.**
纯度	> 99%
CAS编号	129830-38-2
化学结构	

性能

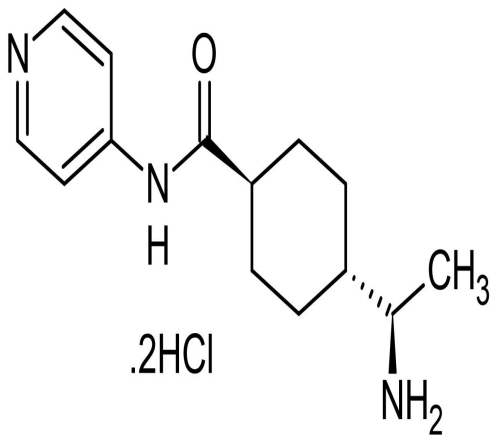
化学名称	(*R*)-(+)-*trans*-4-(1-Aminoethyl)-*N*-(4-pyridyl)cyclohexanecarboxamide dihydrochloride
分子量	320.26
分子式	$C_{14}H_{21}N_3O.2HCl$
PubChem识别号	9901617
存放说明	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in 1 of ml water to give specified mM/ml concentration
处理	This product is supplied in one (or more) pack size which is freeze dried. Therefore the contents may not be readily visible, as they can coat the bottom or walls of the vial. Please see our **FAQs** and **information page** for more details on handling. Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

SMILES Cl.Cl.O=C(Nc1ccncc1)[C@@H]2CC[C@H](CC2)[C@@H](C)N

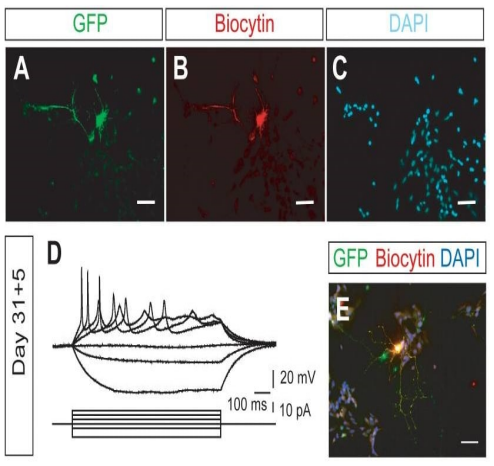
来源 Synthetic

图片



Chemical Structure - Y-27632 dihydrochloride (mM/ml), Rho kinase inhibitor (ab144494)

2D chemical structure image of ab144494, Y-27632 dihydrochloride (mM/ml), Rho kinase inhibitor



Functional Studies - Y-27632 dihydrochloride (mM/ml), Rho kinase inhibitor (ab144494)

Takazawa et al PLoS One. 2012;7(7):e40154. doi: 10.1371/journal.pone.0040154. Epub 2012 Jul 3. Fig 2. Reproduced under the Creative Commons license http://creativecommons.org/licenses/by/4.0/

Representative morphology and membrane potential responses to current step injection in hESMNs at 3 different times *in vitro*.

Imaging of cells fixed after patch-clamp recordings indicate that recorded cells express the *Hb9*::GFP reporter transgene (A-C,E,G,and I). Voltage responses and imaging in the same rows are taken from same neurons. The neurons for A-C are same as that shown in F and G. D,F,H show examples of voltage responses to current steps recorded from 3 neurons current-clamped at −58 mV, −60 mV, and −55 mV, respectively. Bottom traces in D,F, and H show injected currents. Scale bars in images are 50 µm.

Only part of full image panel shown.

Cells were pre-treated with ab144494.

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