

Product Name: Glycyl-H 1152 dihydrochloride

Catalog No.: 2485

Batch No.: 1

CAS Number: 913844-45-8

IUPAC Name: (S)-(+)-4-Glycyl-2-methyl-1-[(4-methyl-5-isoquinolinyl)sulfonyl]-hexahydro-1H-1,4-diazepine dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₂₄N₄O₃S.2HCl.½H₂O

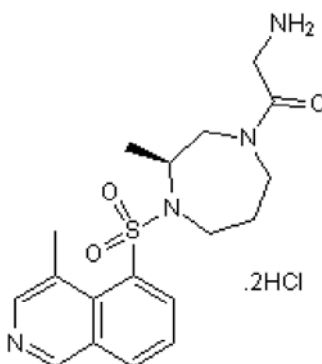
Batch Molecular Weight: 458.41

Physical Appearance: White solid

Solubility: water to 100 mM
DMSO to 50 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.34 (Dichloromethane:Methanol:Ammonia soln. [90:9:1])

HPLC: Shows >99.7% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Optical Rotation: [α]_D = +27.8 (Concentration = 1, Solvent = Water)

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	47.16	5.94	12.22
Found	47.31	6.03	12.15

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Glycyl analog of the Rho-kinase inhibitor H 1152 dihydrochloride (Cat. No. 2414) that displays improved ROCKII selectivity. IC₅₀ values are 0.0118, 2.35, 2.57, 3.26, > 10 and >10 μM for ROCKII, Aurora A, CAMKII, PKG, PKA and PKC respectively.

Physical and Chemical Properties:

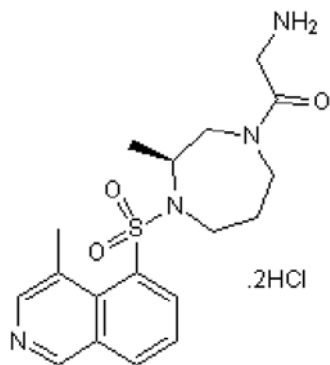
Batch Molecular Formula: C₁₈H₂₄N₄O₃S.2HCl.½H₂O

Batch Molecular Weight: 458.41

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



References:

Tamura *et al* (2005) Development of specific Rho-kinase inhibitors and their clinical application. *Biochim.Biophys.Acta* **1754** 245. PMID: 16213195.

Storage: Desiccate at RT

Solubility & Usage Info:

water to 100 mM

DMSO to 50 mM

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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