

Certificate of Analysis

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Product Name: RWJ 50271

Catalog No.: 4227

Batch No.: 1

CAS Number: 162112-37-0

IUPAC Name: *N*-(3-Hydroxypropyl)-5-methyl-1-[-4-[3-(trifluoromethyl)phenyl]-2-thiazolyl]-1*H*-pyrazole-4-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₇F₃N₄O₂S

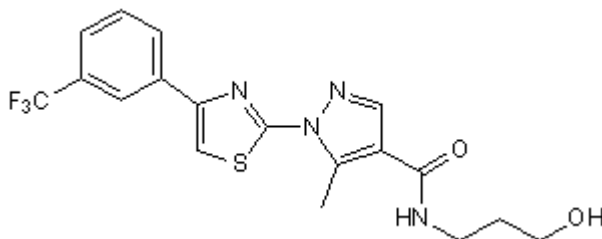
Batch Molecular Weight: 410.41

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 10 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Dichloromethane:Methanol [9:1])

HPLC: Shows 99.7% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	52.68	4.18	13.65
Found	52.7	4.14	13.6

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

Product Information

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Description:

Selective inhibitor of LFA-1 (lymphocyte function-associated antigen-1) adhesion to soluble intercellular adhesion molecule (sICAM) (IC_{50} = 5 μ M in HL60 cells).

Physical and Chemical Properties:

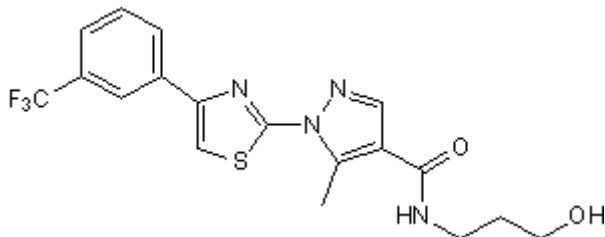
Batch Molecular Formula: $C_{18}H_{17}F_3N_4O_2S$

Batch Molecular Weight: 410.41

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 10 mM

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.

References:

Sanfilippo *et al* (1995) Novel thiazole based heterocycles as inhibitors of LFA-1/ICAM-1 mediated cell adhesion. *J.Med.Chem.* **38** 1057. PMID: 7707308.

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