TOCRIS bioscience

Print Date: Apr 28th 2015

Certificate of Analysis

www.tocris.com

Product Name: **MRS 1220** **Catalog No.: 1217** **Batch No.: 2**

CAS Number: 183721-15-5

IUPAC Name: *N*-[9-Chloro-2-(2-furanyl)[1,2,4]-triazolo[1,5-*c*]quinazolin-5-yl]benzene acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{21}H_{14}ClN_5O_2$

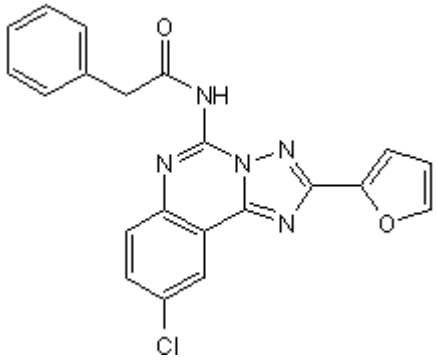
Batch Molecular Weight: 403.83

Physical Appearance: Tan solid

Solubility: DMSO to 100 mM with gentle warming

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.74 (Dichloromethane:Methanol:Ammonia soln. [50:1:0.1])

Melting Point: At 247°C

HPLC: Shows >99.1% purity

^{1}H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen	
Theoretical	62.46	3.49	17.34	0 0 0
Found	62.26	3.29	16.94	0 0 0

Product Name: **MRS 1220** **Catalog No.: 1217** **Batch No.: 2**

CAS Number: 183721-15-5

IUPAC Name: *N*-[9-Chloro-2-(2-furanyl)[1,2,4]-triazolo[1,5-*c*]quinazolin-5-yl]benzene acetamide

Description:

A potent and highly selective antagonist at the human A_3 adenosine receptor (K_i values are 0.65, 305, and 52 nM at hA_3, rA_1 and rA_{2A} respectively. Displays an IC_{50} value > 1 µM for inhibition of binding to rat A_3 receptors).

Physical and Chemical Properties:

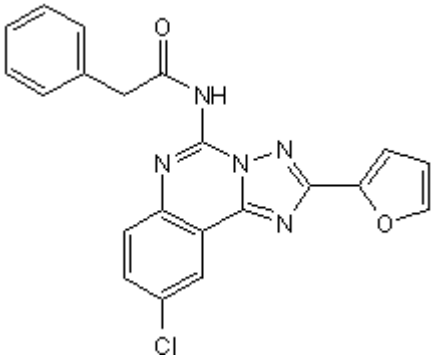
Batch Molecular Formula: $C_{21}H_{14}ClN_5O_2$

Batch Molecular Weight: 403.83

Physical Appearance: Tan solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 100 mM with gentle warming

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:

Kim *et al* (1996) Derivatives of the triazoloquinazoline adenosine antagonist (CGS 15943) are selective for the human A_3 receptor subtype. J.Med.Chem. ***39*** 4142. PMID: 8863790.

Jacobson *et al* (1997) Pharmacological characterization of novel A_3 adenosine receptor selective antagonists. Neuropharmacology ***36*** 1157. PMID: 9364471.

Kim *et al* (1998) Derivatives of the triazoloquinazoline adenosine antagonist (CGS 15943) having high potency at the human A_{2B} and A_3 receptor subtypes. J.Med.Chem. ***41*** 2835. PMID: 9667972.