

Product Name: CGS 15943

Catalog No.: 1699

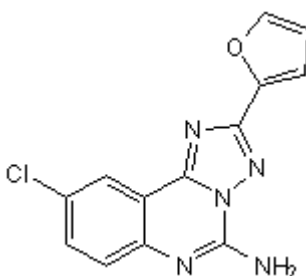
Batch No.: 4

CAS Number: 104615-18-1

IUPAC Name: 9-Chloro-2-(2-furanyl)-[1,2,4]triazolo[1,5-c]quinazolin-5-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₃H₈ClN₅O
Batch Molecular Weight: 285.69
Physical Appearance: Off White solid
Solubility: DMSO to 5 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.8 (Dichloromethane:Methanol [95:5])
HPLC: Shows 99.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.65	2.82	24.51
Found	54.45	2.76	24.63

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

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Description:

Potent adenosine receptor antagonist (K_i values are 3.5, 4.2, 16 and 51 nM for human A_1 , A_{2A} , A_{2B} and A_3 receptors respectively). Orally active in vivo.

Physical and Chemical Properties:

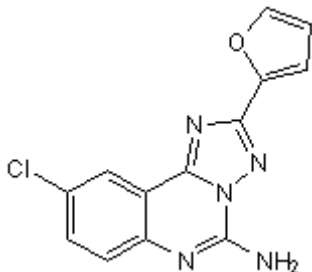
Batch Molecular Formula: $C_{13}H_8ClN_5O$

Batch Molecular Weight: 285.69

Physical Appearance: Off White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 5 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:

Klotz (2000) Adenosine receptors and their ligands. *Naunyn Schmiedebergs Arch.Pharmacol.* **362** 382. PMID: 11111832.

Ghai et al (1987) Pharmacological characterization of CGS 15943A: a novel nonxanthine adenosine antagonist. *J.Pharmacol.Exp.Ther.* **242** 784. PMID: 3656113.

Williams et al (1987) Biochemical characterization of the triazoloquinazoline CGS 15943, a novel, non-xanthine adenosine antagonist. *J.Pharmacol.Exp.Ther.* **241** 415. PMID: 2883298.

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