

Product Name: AM 0902

Catalog No.: 5914

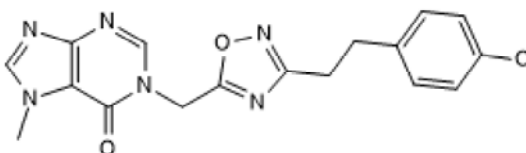
Batch No.: 1

CAS Number: 1883711-97-4

IUPAC Name: 1-[[3-[2-(4-Chlorophenyl)ethyl]-1,2,4-oxadiazol-5-yl]methyl]-1,7-dihydro-7-methyl-6H-purin-6-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₅ClN₆O₂
Batch Molecular Weight: 370.79
Physical Appearance: Light brown solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.22 (Dichloromethane:Methanol [95:5])
HPLC: Shows 98.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.07	4.08	22.66
Found	54.9	4.03	22.61

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

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Description:

Potent and selective TRPA1 antagonist (IC_{50} = 0.02 μ M for human TRPA1). Exhibits no significant activity against human TRPV1 or TRPV4, and rat TRPV1, TRPV3 or TRPM8. Exhibits efficacy in a rat pain model. Orally bioavailable.

Physical and Chemical Properties:

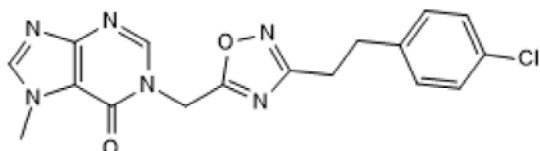
Batch Molecular Formula: $C_{17}H_{15}ClN_6O_2$

Batch Molecular Weight: 370.79

Physical Appearance: Light brown solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 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:

Schenkel *et al* (2016) Optimization of a novel quinazolinone-based series of transient receptor potential A1 (TRPA1) antagonists demonstrating potent *in vivo* activity. *J.Med.Chem.* **59** 2794. PMID: 26942860.

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