1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{17}\text{H}_{15}\text{ClN}_{6}\text{O}_{2} \)
   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
   \(^1\text{H} \) 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
Product Name: AM 0902
Catalog No.: 5914
Batch No.: 1

CAS Number: 1883711-97-4
IUPAC Name: 1-[[3-[(4-Chlorophenyl)ethyl]-1,2,4-oxadiazol-5-yl]methyl]-1,7-dihydro-7-methyl-6H-purin-6-one

Description:
Potent and selective TRPA1 antagonist (IC_{50} = 0.02 μM 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_{6}O_{2}
Batch Molecular Weight: 370.79
Physical Appearance: Light brown solid
Minimum Purity: >98%

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: