Product Name: SN 003
Catalog No.: 3294
Batch No.: 1
CAS Number: 197801-88-0
IUPAC Name: N-(4-Methoxy-2-methylphenyl)-1-[1-(methoxymethyl)propyl]-6-methyl-1H-1,2,3-triazolo[4,5-c]pyridin-4-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{19}\text{H}_{25}\text{N}_{5}\text{O}_{2} \)
Batch Molecular Weight: 355.43
Physical Appearance: White solid
Solubility:
- DMSO to 100 mM
- Ethanol to 100 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: \( R_f = 0.6 \) (Ethyl acetate:Petroleum ether [1:1])
HPLC: Shows 99.4% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

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

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**Catalog No.:** 3294  
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**Description:**
Reversible corticotropin releasing factor receptor 1 (CRF₁) antagonist (Kᵰ values are 3.4 and 7.9 nM at rat and human CRF₁, respectively) that displays >1000-fold selectivity over CRF₂ receptors. Suppresses CRF-induced ACTH release in vitro (IC₅₀ = 241 nM) and is brain penetrant.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₁₉H₂₅N₅O₂
- **Batch Molecular Weight:** 355.43
- **Physical Appearance:** White solid
- **Minimum Purity:** >98%

**Batch Molecular Structure:**

![Chemical Structure](image)

**Storage:** Store at +4°C

**Solubility & Usage Info:**
- DMSO to 100 mM
- Ethanol 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:**
- **Zhang et al (2003)** Pharmacological characterization of a novel nonpeptide antagonist radioligand, (±)-N-[2-Methyl-4-methoxyphenyl]-1-(1-(methoxymethyl) propyl)-6-methyl-1H-1,2,3-triazolo[4,5-c]pyridin-4-amine ([¹¹C]SN003) for corticotropin-releasing factor₁ receptors. J.Pharm.Exp.Ther. 305 57.