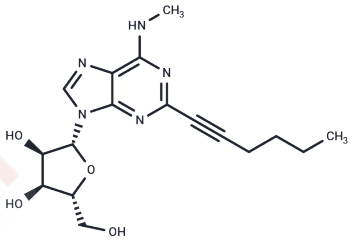
# Data Sheet (Cat.No.T15468)

TargetMol

## HEMADO

### Chemical Properties



CAS No. : 403842-38-6

Formula: C17H23N5O4

Molecular Weight: 361.4

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | HEMADO is a potent and selective agonist of the adenosine A3 receptor [Ki: 1.1 nM at the human A3 subtype]. |
| Targets(IC50) | Others,Adenosine Receptor |
| In vitro | HEMADO shows Kis of 327 nM and 1230 nM for A1 and A2A. It also has an EC50 of 100 μM for A2B receptors[2]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.767 mL | 13.8351 mL | 27.6702 mL |
| 5 mM | 0.5534 mL | 2.767 mL | 5.534 mL |
| 10 mM | 0.2767 mL | 1.3835 mL | 2.767 mL |
| 50 mM | 0.0553 mL | 0.2767 mL | 0.5534 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Klotz KN, et al. [3H]HEMADO– a novel tritiated agonist selective for the human adenosine A3 receptor. Eur J Pharmacol. 2007 Feb 5;556(1-3):14-8. Epub 2006 Oct 27.

Volpini R, et al. N(6)-alkyl-2-alkynyl derivatives of adenosine as potent and selective agonists at the human adenosine A(3) receptor and a starting point for searching A(2B) ligands. J Med Chem. 2002 Jul 18;45(15):3271-9.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481