

Product Name: ISAM 140

Catalog No.: 5965

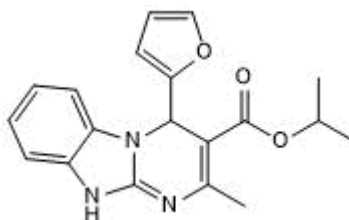
Batch No.: 1

CAS Number: 932191-62-3

IUPAC Name: 4-(2-Furanyl)-4,10-dihydro-2-methylpyrimido[1,2-a]benzimidazole-3-carboxylic acid-1-methylethyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₁₉N₃O₃
Batch Molecular Weight: 337.37
Physical Appearance: Off White solid
Solubility: DMSO to 20 mM
 ethanol to 5 mM with gentle warming
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.64	5.68	12.45
Found	67.34	5.69	12.3

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

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Description:

High affinity A_{2B} receptor antagonist (K_i = 3.49 nM). Exhibits >1000-fold selectivity for A_{2B} over A₁, A_{2A} and A₃ receptors.

Physical and Chemical Properties:

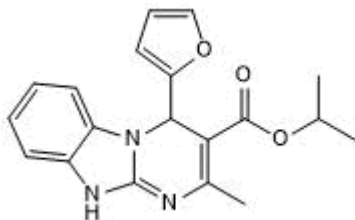
Batch Molecular Formula: C₁₉H₁₉N₃O₃

Batch Molecular Weight: 337.37

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 mM

ethanol to 5 mM with gentle warming

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:

EI Maatougui et al (2016) Discovery of potent and highly selective A_{2B} adenosine receptor antagonist chemotypes. *J.Med.Chem.* **59** 1967. PMID: 26824742.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956