

Product Name: CyPPA

Catalog No.: 2953

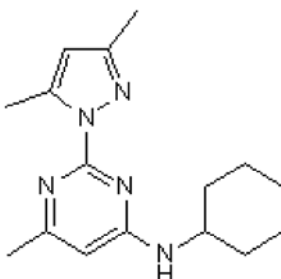
Batch No.: 1

CAS Number: 73029-73-9

IUPAC Name: *N*-Cyclohexyl-*N*-[2-(3,5-dimethyl-pyrazol-1-yl)-6-methyl-4-pyrimidinamine]

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₂₃N₅
Batch Molecular Weight: 285.39
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°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	67.34	8.12	24.53
Found	67.35	8.27	24.67

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

Product Name: CyPPA

Catalog No.: 2953

1

CAS Number: 73029-73-9

IUPAC Name: *N*-Cyclohexyl-*N*-[2-(3,5-dimethyl-pyrazol-1-yl)-6-methyl-4-pyrimidinamine]

Description:

CyPPA is an activator of small conductance Ca²⁺-activated K⁺ channels that displays selectivity for K_{Ca}2.2 (SK2) and K_{Ca}2.3 (SK3) channels (EC₅₀ values are 5.6 and 14 μM for K_{Ca}2.3 and K_{Ca}2.2 respectively). Displays no activity at K_{Ca}2.1 (SK1) and K_{Ca}3.1 (IK) channels.

Physical and Chemical Properties:

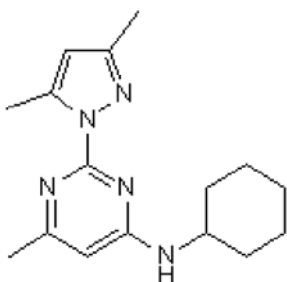
Batch Molecular Formula: C₁₆H₂₃N₅

Batch Molecular Weight: 285.39

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



References:

Hougaard et al (2007) Selective positive modulation of the SK3 and SK2 subtypes of small conductance Ca²⁺-activated K⁺ channels. *Br.J.Pharmacol.* **151** 655. PMID: 17486140.

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.

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

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