

Product Name: BAZ2-ICR

Catalog No.: 5266

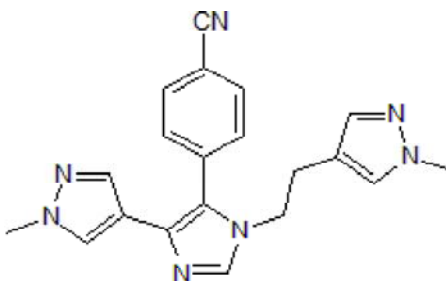
Batch No.: 1

CAS Number: 1665195-94-7

IUPAC Name: 4-[4-(1-Methyl-1*H*-pyrazole-4-yl)-1-[2-(1-methyl-1*H*-pyrazol-4-yl)ethyl]-1*H*-imidazol-5-yl]benzotrile

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₉N₇·¼H₂O
Batch Molecular Weight: 361.91
Physical Appearance: Pale yellow solid
Solubility: DMSO to 100 mM
ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.4 (Dichloromethane:Methanol [9:1])
HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.37	5.43	27.09
Found	66.55	5.3	26.95

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

Product Name: BAZ2-ICR

Catalog No.: 5266

Batch No.: 1

CAS Number: 1665195-94-7

IUPAC Name: 4-[4-(1-Methyl-1H-pyrazole-4-yl)-1-[2-(1-methyl-1H-pyrazol-4-yl)ethyl]-1H-imidazol-5-yl]benzotrile

Description:

Selective BAZ2 bromodomain inhibitor (IC₅₀ values are 130 and 180 nM for BAZ2A and BAZ2B respectively). Exhibits 15-fold selectivity for the BAZ2 bromodomain over the CERC2 bromodomain and >100-fold selectivity over a range of other bromodomains. Accelerates FRAP recovery in a BAZ2A FRAP assay.

Physical and Chemical Properties:

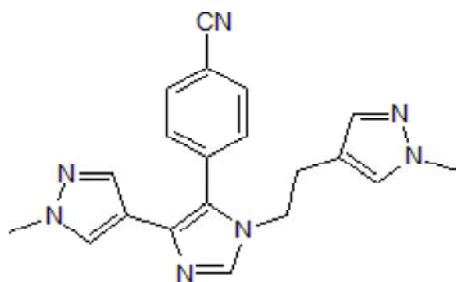
Batch Molecular Formula: C₂₀H₁₉N₇·¼H₂O

Batch Molecular Weight: 361.91

Physical Appearance: Pale yellow solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°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.

Licensing Information:

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the BAZ2-ICR probe summary on the SGC website.

References:

Drouin et al (2015) Structure Enabled Design of BAZ2-ICR, A Chemical Probe Targeting the Bromodomains of BAZ2A and BAZ2B. *J.Med.Chem.* **58** 2553. PMID: 25719566.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

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Tel: +86 (21) 52380373

Europe Middle East Africa

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Rest of World

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Tel:+1 612 379 2956