

Product Name: OF 1

Catalog No.: 5289

Batch No.: 1

CAS Number: 919973-83-4

IUPAC Name: 4-Bromo-N-(2,3-dihydro-6-methoxy-1,3-dimethyl-2-oxo-1H-benzimidazol-5-yl)-2-methylbenzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₈BrN₃O₄S

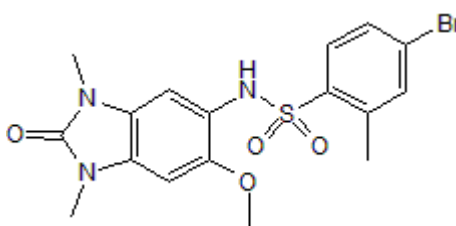
Batch Molecular Weight: 440.31

Physical Appearance: Beige solid

Solubility: DMSO to 20 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.3% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

Carbon Hydrogen Nitrogen

Theoretical 46.37 4.12 9.54

Found 46.56 4.14 9.61

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

Product Name: OF 1

Catalog No.: 5289

Batch No.: 1

CAS Number: 919973-83-4

IUPAC Name: 4-Bromo-N-(2,3-dihydro-6-methoxy-1,3-dimethyl-2-oxo-1H-benzimidazol-5-yl)-2-methylbenzenesulfonamide

Description:

Selective BRPF1B and BRPF2 bromodomain inhibitor (K_d values are 100 and 500 nM respectively). Exhibits 39-fold selectivity for BRPF1B and BRPF2 over BRD4. Accelerates FRAP recovery at 5 μ M in a BRPF2 FRAP assay.

Physical and Chemical Properties:

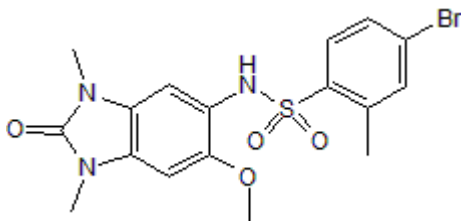
Batch Molecular Formula: C₁₇H₁₈BrN₃O₄S

Batch Molecular Weight: 440.31

Physical Appearance: Beige solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 20 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

Tocris Bioscience is an R&D Systems company

USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373

www.RnDSystems.com