

Product Name: ML 161

Catalog No.: 4570

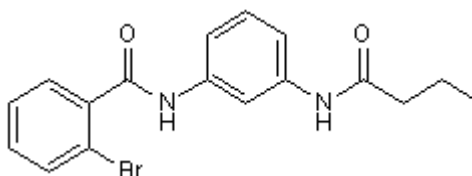
Batch No.: 1

CAS Number: 423735-93-7

IUPAC Name: 2-Bromo-N-[3-[(1-oxobutyl)amino]phenyl]benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₇BrN₂O₂
Batch Molecular Weight: 361.23
Physical Appearance: Brown solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.1% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	56.53	4.74	7.76
Found	56.46	4.78	7.84

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

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Description:

Inhibitor of protease-activated receptor 1 (PAR₁)-mediated platelet activation (IC₅₀ = 0.26 μM for the inhibition of platelet P-selectin expression on human platelets). Thought to act allosterically. Also inhibits thrombin-induced platelet activation.

Physical and Chemical Properties:

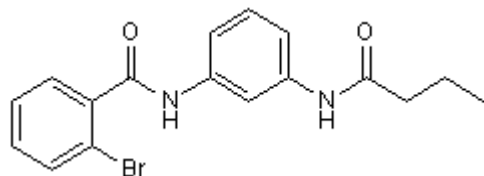
Batch Molecular Formula: C₁₇H₁₇BrN₂O₂

Batch Molecular Weight: 361.23

Physical Appearance: Brown solid

Minimum Purity: >98%

Batch Molecular Structure:



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.

References:

Dockendorff et al (2012) Discovery of 1,3-diaminobenzenes as selective inhibitors of platelet activation at the PAR1 receptor. *ACS Med.Chem.Lett.* **3** 232. PMID: 22408714.

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