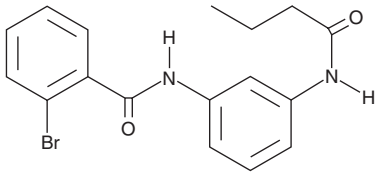
PRODUCT INFORMATION

ML-161

Item No. 15179

CAS Registry No.: 423735-93-7
Formal Name: 2-bromo-N-[3-[(1-oxobutyl)amino] phenyl]-benzamide
Synonyms: AG-670, CID-1048267
MF: $C_{17}H_{17}BrN_2O_2$
FW: 361.2
Purity: ≥95%
UV/Vis.: λ_{max}: 240 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

ML-161 is supplied as a crystalline solid. A stock solution may be made by dissolving the ML-161 in the solvent of choice. ML-161 is soluble in organic solvents such as ethanol and DMSO, which should be purged with an inert gas. The solubility of ML-161 in these solvents is approximately 25 mg/ml.

Description

ML-161 is an allosteric, reversible inhibitor of proteinase-activated receptor 1 (PAR1) on platelets, preventing surface expression of P-selectin induced by the peptide SFLLRN with an IC_{50} value of 0.26 µM.[1] It blocks platelet activation induced by thrombin as well as by SFLLRN but not by PMA (Item No. 10008014), U-46619 (Item No. 16450), or collagen.[1]

Reference

1. Dockendorff, C., Aisiku, O., VerPlank, L., *et al*. Discovery of 1,3-diaminobenzenes as selective inhibitors of platelet activation at the PAR1 receptor. *ACS Med. Chem. Lett.* **3(3)**, 232-237 (2012).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM