

Ibuprofen Biochemical

Ibuprofen

CATALOG #
AAA201908

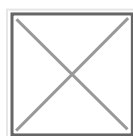
PRODUCT SYNONYMS

Ibuprofen; (+/-)-Ibuprofen; Ibuprofen biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	98% (HPLC); NMR: Consistent with structure
Suitability	10mM in DMSO
Target	COX
Receptor	COX-1; COX-2
Pathway	Chromatin/Epigenetic
Chemical Name	Benzeneacetic acid, alpha-methyl-4-(2-methylpropyl)
SMILES	<chem>CC(C1=CC=C(CC(C)C)C=C1)C(O)=O</chem>
Molecular Formula	C13H18O2
CAS Number	15687-27-1
Preparation and Storage	Store at -20°C.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Ibuprofen biochemical	A non-selective, reversible COX inhibitor with IC50 of 1ug/mL and 46ug/mL for COX-1 and COX-2 in enzyme assay, respectively; converts arachidonic acid to prostaglandin H2 (PGH2); is used for treating pain, fever, and inflammation. Pain Approved
Product Categories/Family for Ibuprofen biochemical	Pain ; Chromatin/Epigenetic ; Neurological Disease
References	1. Mitchell JA, et al. Proc Natl Acad Sci U S A. 1993 Dec 15; 90 (24):11693-7.

NCBI AND UNIPROT INFORMATION

Molecular Weight	206.28
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

