Ibuprofen

COX inhibitor

Selective cyclooxygenase (COX) inhibitor (IC_{50}=14.9 µM). Inhibits PGH synthase-1 and PGH synthase-2 with comparable potency (ID_{50}=8.9-14 and 7.2-8.2 µM respectively; data are for (S) isomer). Clinically useful NSAID. Inhibits the neutrophil-dependent edema response of rabbit skin to C5a/PGE_2.

Citations: 4 View Online »

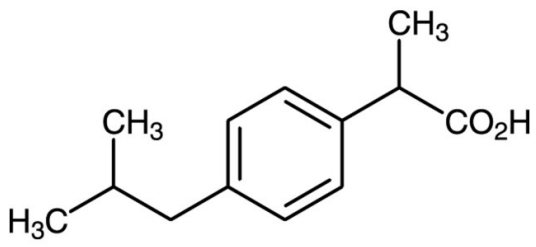
Ordering Information

Order Online »

BML-EI164-0005	5g

Manuals, SDS & CofA

View Online »


CH3
CH3
CO2H
H3C

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at room temperature. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	α-Methyl-4-(2-methylpropyl)benzeneacetic acid, (±)-2-(4-Isobutylphenyl)propionic acid
Appearance	White solid.
CAS	15687-27-1
Couple Target	COX
Couple Type	Inhibitor
Formula	$C_{13}H_{18}O_2$
MI	**14:** 4881
MW	206.3
Purity	≥99% (HPLC)
Solubility	Soluble in ethanol (25mg/ml).

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