

Product Data Sheet

Ibuprofen

Cat. No.:	C5048
CAS No.:	1553-60-2
Formula:	C ₁₂ H ₁₆ O ₂
M.Wt:	192.3
Synonyms:	Dytransin, Ibuprofen, 4-Isobutylphenylacetic Acid, NSC 99976
Target:	Neuroscience
Pathway:	COX
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; ≥53.5 mg/mL in EtOH; ≥6.9 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		5.2002 mL	26.0010 mL	52.0021 mL
	5 mM		1.0400 mL	5.2002 mL	10.4004 mL
	10 mM		0.5200 mL	2.6001 mL	5.2002 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

COX-1 and -2 inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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