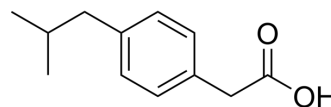


Ibuprofen

Cat. No.:	HY-W040672
CAS No.:	1553-60-2
Molecular Formula:	C ₁₂ H ₁₆ O ₂
Molecular Weight:	192.25
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (520.16 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.2016 mL	26.0078 mL	52.0156 mL
	5 mM	1.0403 mL	5.2016 mL	10.4031 mL
	10 mM	0.5202 mL	2.6008 mL	5.2016 mL

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

BIOLOGICAL ACTIVITY

Description

Ibuprofen (Dytramsin) is an analog of Ibuprofen. Ibuprofen is a non-steroidal anti-rheumatoid agent and non-selective COX inhibitor used to research mild-moderate pain, fever, and inflammation.

REFERENCES

[1]. S S Adams, et al. Some aspects of the pharmacology of ibuprofen, a non-steroidal anti-inflammatory agent. J Pharm Pharmacol. 1968 Apr;20(4):305-12.

Caution: Product has not been fully validated for medical applications. For research use only.

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