

(R) - (-) -Ibuprofen

Catalog No: tcsc1394



Available Sizes

Size: 200mg



Specifications

CAS No:

51146-57-7

Formula:

$C_{13}H_{18}O_2$

Pathway:

NF-κB

Target:

NF-κB

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

(R)-Ibuprofen

Observed Molecular Weight:

206.28

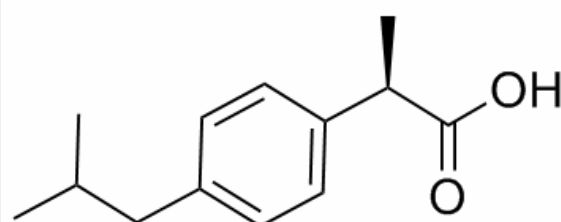
Product Description

(R)-(-)-Ibuprofen is the R enantiomer of Ibuprofen, inactive on COX, inhibits **NF-κB** activation; (R)-(-)-Ibuprofen exhibits anti-inflammatory and antinociceptive effects.

IC50 & Target: NF-κB^[2]

In Vitro:

(R)-(-)-Ibuprofen is the R enantiomer of Ibuprofen, with no inhibitory effect on COX, but is involved in pathways of lipid metabolism and is incorporated into triglycerides along with endogenous fatty acids^[1]. (R)-(-)-Ibuprofen (1 μ M) significantly reduces NF- κ B activation and completely prevents NF- κ B induction at 10 μ M. (R)-(-)-Ibuprofen inhibits NF- κ B luciferase activity with an IC₅₀ of 121.8 μ M, weaker than that of S(+)-ibuprofen (IC₅₀, 61.7 μ M). Furthermore, (R)-(-)-Ibuprofen (10 mM) has no effect on HSF^[2].



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