Indomethacin

COX-1 inhibitor. PPAR activator.

Non-steroidal anti-inflammatory and analgesic agent. Inhibits cyclooxygenase (IC_{50}=0.1μM) selectively over lipoxygenases (IC_{50} =100μM for 5-, 12- and 15-LO). Preferentially inhibits PGH synthase-1 over PGH synthase-2 (ID_{50}=4.9-8.1 and 130-160μM respectively). Activates PPARα and γ receptors and induces adipocyte differentiation (EC_{50}=8μM). A clinically useful NSAID.

Citations: 11 View Online »

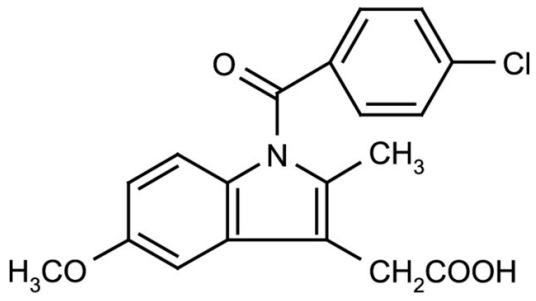
Ordering Information

Order Online »

ALX-270-086-G005	5g

Manuals, SDS & CofA

View Online »

O Cl N CH3 H3CO CH2COOH	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	Ambient
Shipping	Ambient Temperature – Dangerous Good

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to light yellow to light orange powder.
CAS	53-86-1
Couple Target	COX, PPAR
Couple Type	Activator, Inhibitor
Formula	$C_{19}H_{16}ClNO_4$
MI	**14:** 4968
MW	357.8
Purity	≥98% (HPLC)
Solubility	Soluble in acetone or methanol; insoluble in water.

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