Lorcainide . HCl

Na^+ channel blocker

Possesses both local anesthetic and antiarrhythmic properties (class 1C agent). Elevates the ventricular fibrillation threshold and protects against ouabain-induced arrhythmias in animal models. Its mechamism of action is primarly inhibition of sodium channels in a voltage- and frequency-dependent fashion. Also inhibits the microsomal Na^+,K^+-ATPase in a concentration-dependent manner (IC_{50}=33.5µM) . Reduces neuronal death in cellular models of hypoxic injury when combined with a glutamate receptor antagonist and blocks aconitine-induced mortality in a rat model (ED_{50}=30mg/kg).

Citations: 4 View Online »

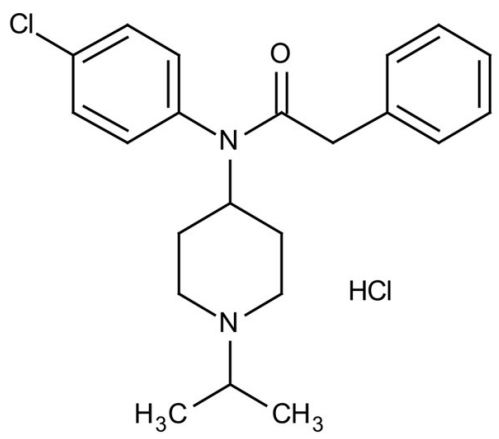
Ordering Information

Order Online »

BML-NA143-0010	10mg

Manuals, SDS & CofA

View Online »


Cl
O
N
HCl
N
H3C
CH3

Handling & Storage

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

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N-(4-Chlorophenyl)-N-[1-(1-isopropyl)-4-piperidinyl]phenylacetamide . HCl
Appearance	White solid.
CAS	58934-46-6
Couple Target	Potassium channel, Sodium channel
Couple Type	Blocker
Formula	$C_{22}H_{27}ClN_2O$. HCl
MW	370.9 . 36.5
Purity	≥98% (TLC)
Solubility	Soluble in water (>30mg/ml), DMSO (>25mg/ml) or 100% ethanol (>25mg/ml).

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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