CA-074 Me

Cathepsin inhibitor

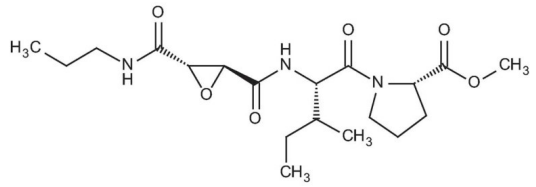
Potent and selective irreversible cell permeable cathepsin B inhibitor. Methyl ester (Me) is hydrolyzed by intracellular esterases releasing the active inhibitor. Prevents death of CA1 neurons after ischemia following IV delivery after the ischemic insult. In isolated rat osteoclasts it inhibited bone resorption with a maximal effect at 50 µM. This product is only suitable for in vivo and whole cell experiments. The free acid form must be used for in vitro experiments. Can be used to discriminate between cathepsin B and L/S forms.

Citations: 16 View Online »

Ordering Information Order Online »

BML-PI126-0001	1mg

Manuals, SDS & CofA View Online »


H3C
N
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CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N-(L-3-trans-Propylcarbonyl-oxirane-2-carbonyl)-L-isoleucyl-L-proline methyl ester
Appearance	White solid.
Formula	$C_{19}H_{31}N_3O_6$
MW	397.5
Purity	≥98% (HPLC)
Sequence	N-(L-3-trans-Propylcarbonyl-oxirane-2-carbonyl)-L-isoleucyl-L-proline methyl ester
Solubility	Soluble in DMSO.

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