Antipain

Papain inhibitor

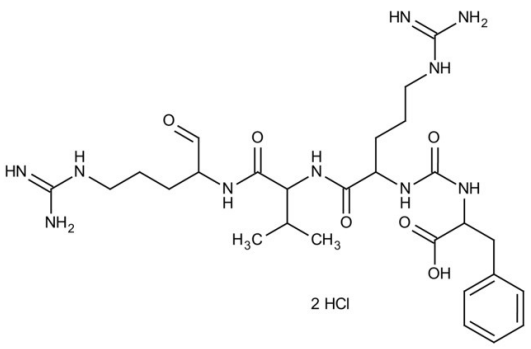
Inhibits papain and trypsin and to a small extent plasmin. Antipain is more specific for papain and trypsin than is leupeptin (Prod. No. ALX-260-009). The inhibitory potency of antipain is 100-fold higher than that of elastatinal. Acts by forming a hemiacetal adduct between its aldehyde group and the active serine of the proteinase.

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Ordering Information Order Online »

ALX-260-093-M005	5mg
ALX-260-093-M025	25mg

Manuals, SDS & CofA View Online »


HN
NH2
NH
O
O
H
N
HN
NH2
H
N
O
H
N
O
NH
H3C
CH3
O
OH
2 HCl

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Activity	Inhibitory Activity ≥30 U/mg (Trypsin, L-BAPA)
Alternative Name	[(S)-1-Carboxy-2-phenylethyl]-carbamoyl-Arg-Val-arginal . 2HCl
Appearance	White to off-white powder.
CAS	37682-72-7
Couple Target	Papain
Couple Type	Inhibitor
Formula	$C_{27}H_{44}N_{10}O_6$. 2HCl
MW	604.7 . 72.9
Purity	≥97% (HPLC)
Sequence	[(S)-1-Carboxy-2-phenylethyl]-carbamoyl-Arg-Val-arginal
Solubility	Soluble in water, methanol, 100 % ethanol or acetonitrile.
Source	Synthetic.

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