Furin convertase inhibitor (chloromethylketone)

Highly specific, potent, irreversible, and cell-permeable competitive inhibitor of proprotein convertases.

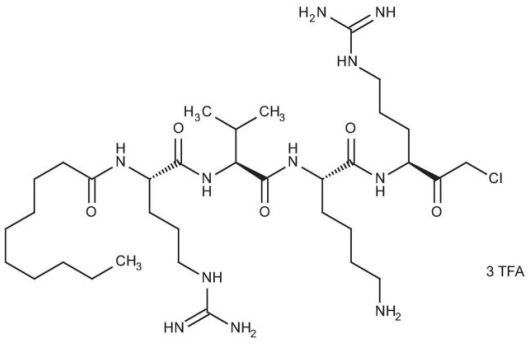
Highly specific, potent, irreversible, and cell-permeable competitive inhibitor of proprotein convertases: furin/SPC1 (K_i~1nM), SPC2/PC2 (K_i=0.36nM), SPC3/PC1/PC3(K_i=2.0nM), SPC4/PACE4 (K_i=3.6nM), SPC6/PC5/PC6, and SPC7/LPC/PC7/PC8 (K_i=0.12nM). Because furin activates viral glycoproteins, this inhibitor is a useful antiviral agent. In addition, it inhibits furin-dependent pro-MMP-2 activation in various cell lines, including U87 and HT1080 cells. Typical concentration range used in tissue culture is 25-100µM.

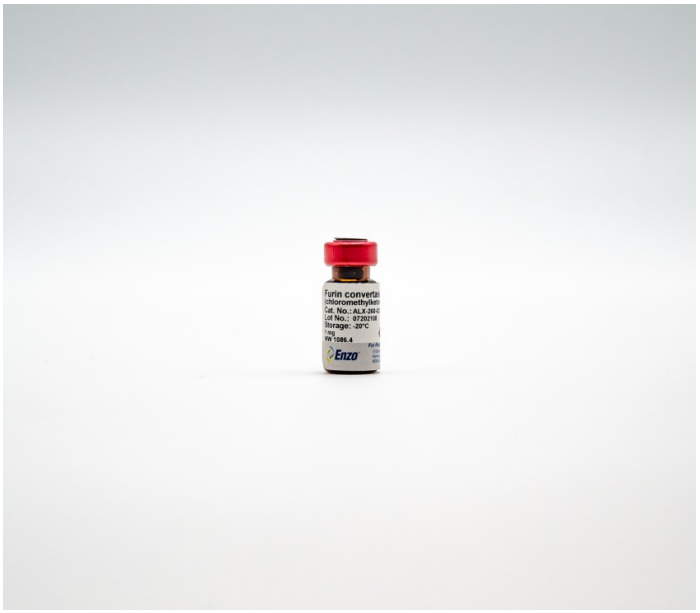
Citations: 30 View Online »

Ordering Information Order Online »

ALX-260-022-M001	1mg
ALX-260-022-M005	5mg

Manuals, SDS & CofA View Online »


H2N
NH
HN
H3C
CH3
O
H
N
O
H
N
O
H
N
O
Cl
CH3
NH
HN
NH2
NH2
3 TFA


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Handling & Storage

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

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Decanoyl-Arg-Val-Lys-Arg-chloromethylketone, Dec-RVKR-CMK, TACE inhibitor
Appearance	White to off-white powder.
Formula	$C_{34}H_{66}N_{11}O_5Cl$. 3TFA
MW	744.3 . 342.1
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO, methanol or water.

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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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