

Melittin (natural)

PLA₂ activator

Causes disruption of normal cellular activity and cell lysis. Binds calmodulin in a calcium-dependent manner. Activates phospholipase A₂ (PLA₂) and inhibits protein kinase C (PKC) by binding to the catalytic domain in a Mg-ATP sensitive manner. Antirheumatic.

Citations: 10

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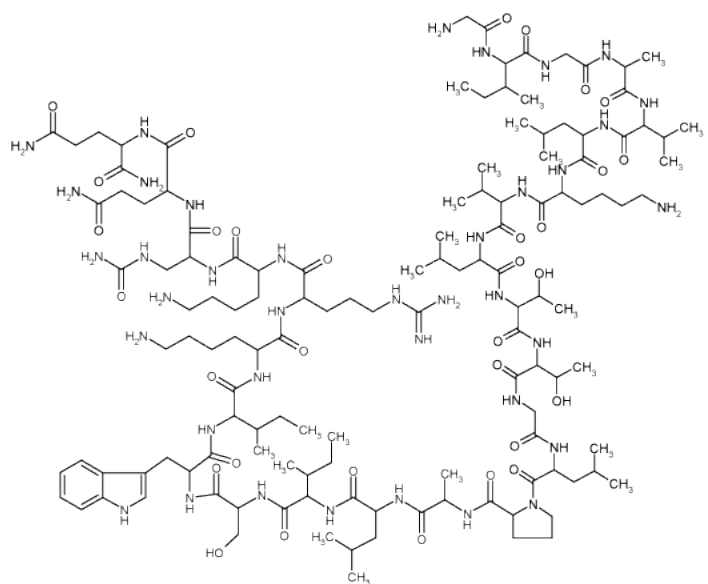
Ordering Information

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ALX-162-006-M005	5mg
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Manuals, SDS & CofA

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Handling & Storage

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

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to faint tan powder.
CAS	20449-79-0
Formula	$C_{131}H_{229}N_{39}O_{31}$
MI	14: 5824
MW	2846.5
Purity	≥85% (HPLC)
Purity Detail	Phospholipase A2 impurity:
RTECS	OS3960000
Sequence	H-Gly-Ile-Gly-Ala-Val-Leu-Lys-Val-Leu-Thr-Thr-Gly-Leu-Pro-Ala-Leu-Ile-Ser-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-NH ₂
Solubility	Soluble in PBS (5mg/ml) or water (5mg/ml).
Source	Isolated from bee venom.

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