

# 3-O-Methyl-Sphingomyelin

## Sphingomyelinase inhibitor

3-O-Methyl-Sphingomyelin is a novel selective inhibitor of neutral sphingomyelinase, ( $K_i=37\text{ }\mu\text{M}$ ). It is cell-permeable and does not inhibit acid sphingomyelinase.

Citations: 6

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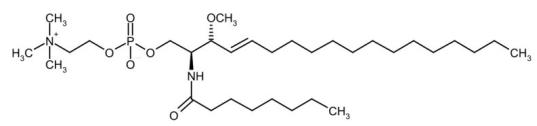
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## Ordering Information

<b>ML-SL225-0001</b>	1mg
<b>ML-SL225-0005</b>	5mg

## Manuals, SDS & CofA

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# Handling & Storage

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

## Regulatory Status

RUO - Research Use Only

## Product Details

Appearance	White to off-white solid.
Couple Target	Sphingomyelinase
Couple Type	Inhibitor
Formula	$C_{32}H_{65}N_2O_6P$
Identity	Determined by NMR.
MW	604.8
Purity	≥98% (TLC)
Solubility	Soluble in ethanol (>25 mg/ml) or DMSO (20 mg/ml@50°C).

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