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DATASHEET

Oleyloxyethyl Phosphorylcholine

Product overview

Name	Oleyloxyethyl Phosphorylcholine
Cat No	HB0472
Biological action	Inhibitor
Purity	>98%
Description	PLA ₂ inhibitor

Biological Data

Biological description	Phospholipase A2 (PLA ₂) inhibitor (IC ₅₀ = 1.4 μM). Also inhibits ATP-induced histamine release. Cell permeable.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in ethanol
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	477.7
Chemical structure	
Molecular Formula	C ₂₅ H ₅₂ NO ₅ P
CAS Number	84601-19-4
PubChem identifier	5353846
SMILES	<chem>CCCCCCCCC=CCCCCCCCCOCOP(=O)([O-])OCC[N+](C)(C)C</chem>

References

A novel phospholipase A2 activity in saliva of the lone star tick, *Amblyomma americanum* (L.).

Bowman AS *et al* (1997) Exp Parasitol 87(2)

PubMedID [9326887](#)

ATP-induced histamine release is in part related to phospholipase A2-mediated arachidonic acid metabolism in rat peritoneal mast cells.

Lee YH *et al* (2001) Arch Pharm Res 24(6)

PubMedID [11794534](#)
