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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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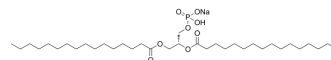
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1,2-Dipalmitoyl-sn-glycerol 3-phosphate sodium

Cat. No.:	HY-113437A
CAS No.:	169051-60-9
Molecular Formula:	C ₃₅ H ₆₈ NaO ₈ P
Molecular Weight:	670.87
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

Methanol : 11.9 mg/mL (17.74 mM; ultrasonic and adjust pH to 3 with 1 M HCL)
H₂O : 1 mg/mL (1.49 mM; ultrasonic and warming and heat to 60°C)
DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.4906 mL	7.4530 mL	14.9060 mL
	5 mM		0.2981 mL	1.4906 mL	2.9812 mL
	10 mM		0.1491 mL	0.7453 mL	1.4906 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	1,2-Dipalmitoyl-sn-glycerol 3-phosphate sodium (compound 3-F7) is a phosphatidic acid and a human endogenous metabolite ^[1] . It is used in the generation of micelles, liposomes, and artificial membranes.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	Phosphatidic acids are biologically active lipids that can stimulate a large range of responses in many different cell types, such as platelet aggregation, smooth muscle contraction, in vivo vasoactive effects, chemotaxis, expression of adhesion molecules, increased tight junction permeability of endothelial cells, induction of stress fibres, modulation of cardiac contractility, and many others. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

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- iScience. 4 October 2022, 105275.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Niedernberg A, et al. Sphingosine 1-phosphate and dioleoylphosphatidic acid are low affinity agonists for the orphan receptor GPR63. Cell Signal. 2003 Apr;15(4):435-46.

Caution: Product has not been fully validated for medical applications. For research use only.

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