

DCP-LA

Cat. No.:	HY-108599		
CAS No.:	28399-31-7		
Molecular Formula:	C ₂₀ H ₃₆ O ₂		
Molecular Weight:	308.5		
Target:	PKC		
Pathway:	Epigenetics; TGF-beta/Smad		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



Solvent & Solubility

In Vitro

DMSO : 5 mg/mL (16.21 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		3.2415 mL	16.2075 mL	32.4149 mL
	5 mM		0.6483 mL	3.2415 mL	6.4830 mL
	10 mM		0.3241 mL	1.6207 mL	3.2415 mL

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

BIOLOGICAL ACTIVITY

Description	DCP-LA (FR236924), a linoleic acid derivative, selectively and directly activates PKCε ^[1] .
IC ₅₀ & Target	PKCε

REFERENCES

[1]. Kanno T, et al. DCP-LA Activates Cytosolic PKCε by Interacting with the Phosphatidylserine Binding/Associating Sites Arg50 and Ile89 in the C2-Like Domain. Cell Physiol Biochem. 2015;37(1):193-200.

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

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