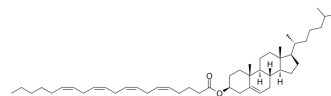


## Cholesteryl arachidonate

Cat. No.:	HY-113369		
CAS No.:	604-34-2		
Molecular Formula:	C <sub>47</sub> H <sub>76</sub> O <sub>2</sub>		
Molecular Weight:	673.11		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (148.56 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.4856 mL	7.4282 mL	14.8564 mL
5 mM	0.2971 mL	1.4856 mL	2.9713 mL
10 mM	0.1486 mL	0.7428 mL	1.4856 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (3.71 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (3.71 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Cholesteryl arachidonate is an endogenous metabolite.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA