

## Cholesteryl behenate

<b>Cat. No.:</b>	HY-N2339		
<b>CAS No.:</b>	61510-09-6		
<b>Molecular Formula:</b>	C <sub>49</sub> H <sub>88</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	709.22		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : 2 mg/mL (2.82 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.4100 mL	7.0500 mL	14.1000 mL
5 mM	---	---	---
10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Cholesteryl behenate is a cholesterol ester associated with the neutral core of low density lipoprotein Receptor-LDL complexes are taken up by lysosomes and hydrolyzed to release cholesterol from the esters.

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

Human Endogenous Metabolite

### REFERENCES

[1]. M Krieger, et al. Replacement of endogenous cholesteryl esters of low density lipoprotein with exogenous cholesteryl linoleate. Reconstitution of a biologically active lipoprotein particle. J Biol Chem. 1978 Jun 25;253(12):4093-101.

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

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