

Cholesteryl behenate

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| Cat. No.: | HY-N2339 | | |
| CAS No.: | 61510-09-6 | | |
| Molecular Formula: | $C_{49}H_{88}O_2$ | | |
| Molecular Weight: | 709 | | |
| Target: | Endogenous Metabolite | | |
| Pathway: | Metabolic Enzyme/Protease | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

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| In Vitro | Ethanol : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble) |
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BIOLOGICAL ACTIVITY

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|---------------------------|---|
| 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 ₅₀ & Target | Human Endogenous Metabolite |

CUSTOMER VALIDATION

- SSRN. 2023 Dec 20.

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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.

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

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