

## 10(S)-PAHSA

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	10(S)-PAHSA is a stereoisomer of 10-PAHSA , an endogenous lipid that belongs to a collection of branched fatty acid esters of hydroxy fatty acids (FAHFAs).
Targets(IC50)	Others
In vivo	It is a FAHFA in which palmitic acid is esterified to 10-hydroxy stearic acid. Among the FAHFA family members, PAHSAs are the most abundant in the adipose tissue of glucose tolerant AG4OX mice, which overexpress the Glut4 glucose transporter specifically in adipose tissue. A study using synthesized (R)- and (S)- stereoisomers of 9-PAHSA reported that the 9(R)-PAHSA is the predominant form that accumulates in adipose tissues in vivo. Also, cell lines favor the production of 9(R)-PAHSA and carboxyl ester lipase selectively hydrolyzes 9(S)-PAHSA .The use of this optically-active FAHFA product (the Product") is covered by U.S. Patent No. 10

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