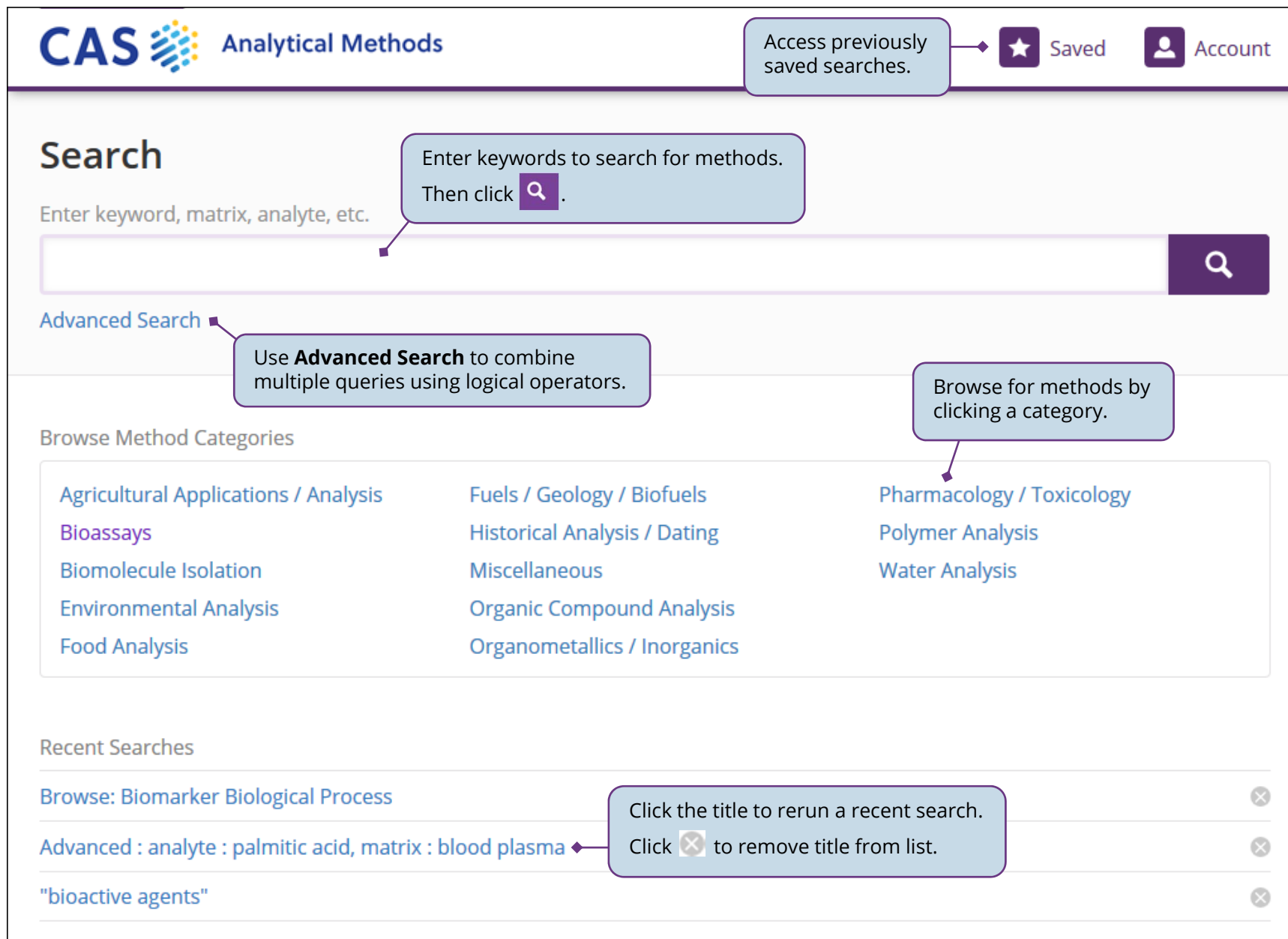



Search



CAS Analytical Methods Access previously saved searches. ★ Saved Account

Search

Enter keyword, matrix, analyte, etc.

Enter keywords to search for methods. Then click .





[Advanced Search](#) Use **Advanced Search** to combine multiple queries using logical operators.

Browse for methods by clicking a category.

Browse Method Categories

Agricultural Applications / Analysis	Fuels / Geology / Biofuels	Pharmacology / Toxicology
Bioassays	Historical Analysis / Dating	Polymer Analysis
Biomolecule Isolation	Miscellaneous	Water Analysis
Environmental Analysis	Organic Compound Analysis	
Food Analysis	Organometallics / Inorganics	

Recent Searches

Browse: Biomarker Biological Process	Click the title to rerun a recent search.	
Advanced : analyte : palmitic acid, matrix : blood plasma	Click  to remove title from list.	
"bioactive agents"		

Advanced Search

← [Return to Home](#)

Advanced Search

Choose the search field: Keyword, Analyte, Matrix, Method Category, Technique, CAS Method Number, Publication Name.

Enter the query for the search field.

Analyte

Choose the logical operator: AND, OR, NOT.

Matrix

Click to remove a query.

Add Search Criteria

Click to add another query.

Click to execute search.

Click to reset form.

Results

Results (6)

1 selected

Analysis of Palmitic acid in Blood plasma by High-performance liquid chromatography-mass spectrometry
CAS MN: 2-107-CAS-39800

[View Details & Instructions](#)

Analyte: Palmitic acid; Heptadecanoic acid

Matrix: [redacted]

Other M: [redacted] (2.7 μm, 2.1 x 150 mm) column

Method Category: Bioassay

Technique: High-performance liquid chromatography-mass spectrometry; Extraction

Equipment Used: Liquid chromatography (LC) system; mass spectrometer (MS); Speed Vac

Source: **Rapid measurement of plasma free fatty acid concentration and isotopic enrichment using LC/MS**
Persson, Xuan-Mai T.; Blachnio-Zabielska, Agnieszka Urszula; Jensen, Michael D.
Journal of Lipid Research (2010), 51 (9), 2761-2765. American Society for Biochemistry and Molecular Biology, Inc.

[Full Text](#) [Abstract](#)

Sort Relevance

Export methods to PDF or XLS format.

Save methods.

Compare (2/3)

Add to Compare

Return to Advanced Search

Analyte

- Palmitic acid (6)
- Arachidonic acid (5)
- Oleic acid (5)

Blood plasma (6)

Method Category

- Biomolecule Isolation Assay (3)
- Fatty Acid Analysis (2)
- Bioassay (1)

Technique

Year

- 2010 (6)
- 2005 (4)
- 2011 (4)
- 2009 (3)
- 2008 (2)

[View All](#)

Select individual methods to export or save, or check box at top of page to select all methods on page.

Click method title or **View Details & Instructions** to view method details.

Click **Add to Compare** to select methods for comparison. Click **Compare** to view selected methods in a comparison table.

Click **Full Text** to access options to obtain full text documents. Click **Abstract** to display the abstract.

Sort methods by **Relevance** or **Publication Year**.



Check box(es) to filter methods by data values.

Method Detail

[← Return to Results](#)

Method Detail (2 of 14)



[← Prev](#) [Next →](#)

Analysis of (9Z)-9-Hexadecenoic acid in Blood plasma by High-performance liquid chromatography-tandem mass spectrometry

CAS MN: 1-122-CAS-28049

Method Category: Fatty Acid Analysis
Technique: High-performance liquid chromatography-tandem mass spectrometry

 Export method to PDF or XLS format.
 Save method.

Materials	Role	Image	CAS RN
(9Z)-9-Hexadecenoic acid	analyte	View Structure	373-49-9
Palmitic acid	analyte	View Structure	57-10-3
Octadecanoic acid	analyte	View Structure	57-11-4
Oleic acid	analyte	View Structure	112-80-1
Blood plasma	matrix		
Column-1.9- μ m Thermo Hypersil Gold C8 column 3.0 \times 100 mm	material		

[View structure image.](#)

Scroll display to see method details, such as: Materials, Source, Equipment Used, Conditions, Instrument, Instructions, Validation.

Source

Fatty acid desaturation index in human plasma: comparison of different analytical methodologies for the evaluation of diet effects

Klawitter, Jost; Bek, Stephan; Zakaria, Marjorie; Zeng, Chenhui; Hornberger, Andrea; Gilbert, Richard; Shokati, Touraj; Klawitter, Jelena; Christians, Uwe; Boernsen, K. Olaf

Compare Methods

Compare Methods

Export the comparison table.



Click X to remove method from the table.

Expand All data items on table or Collapse All.

Expand All | Collapse All

	1	2	3
Title	Analysis of Palmitic acid in Blood plasma by Solid phase extraction	Analysis of Palmitic acid in Blood plasma by High-performance liquid chromatography-mass spectrometry View Less ^	Analysis of Oleic acid in Blood plasma by Hydrophilic interaction liquid chromatography View Less ^
CAS Method Number	1-122-CAS-42691	2-107-CAS-39800	2-114-CAS-73714
Method Category	Fatty Acid Analysis	Bioassay	Biomolecule Isolation Assay
Technique	Solid phase extraction; Gas chromatography	High-performance liquid chromatography-mass spectrometry; Extraction	Mass spectrometry; Hydrophilic interaction liquid chromatography
Analyte	Linoleic acid; Heptadecanoic acid; Stearic acid; Palmitic acid; Linolenic acid; Oleic acid; View All v	Heptadecanoic acid; Palmitic acid; Fatty acids	Palmitic acid; Arachidonic acid; Oleic acid; Palmitoleic acid
Matrix	Blood plasma	Blood plasma	Blood plasma
Other Materials	LiChrolut vacuum manifold; 8 mL LiChrolut glass column; DB-23	Ascentis C18 (2.7 µm, 2.1 x 150 mm) column	Acquity UPLC BEH HILIC column (1.7 µm; 100 x 2.1

Collapse data item.

Expand data item