

# CAS Analytical Methods<sup>®</sup> in SciFinder Discovery Platform

## Obtain Analytical Methods details starting from a set of references

*Endogenous Steroid analysis assay for human blood*

In SciFinder<sup>®</sup>, in the **Reference Search** mode, type in:

"endogenous steroid" and human

### Load More Results

Apply the following filters:

Concept: mass spec\*

CAS Solutions: Analytical Methods

Get Reference Details for reference #1 titled:

*Longitudinal monitoring of endogenous steroids in human serum by UHPLC-MS/MS as a tool to detect testosterone abuse in sports*

Open Analytical Methods accordion and click on **Analytical Methods and select one Method number**

## Obtain more Information about the unknown substance

*Looking for a compound with steroid structure and a weight of 480*

In SciFinder<sup>®</sup>, in the **Substance Search** mode

Open CAS Draw

Draw a steroid structure but with variable bonds

Add the advance search option by using chemical properties: Molecular weight 479 to 481

In **Substructure** results

Apply the following filters:

Reference role: Food or Feed Use

Click on **References** and then **All Results**

Apply the following filters:

Substance role: Food or Feed Use

CAS Solutions: Formulus

Get Reference Details for reference #7 titled:

*Dietary supplement compositions and methods*

Open Formulus accordion and click on **Formulations and select number**

On the Analytical Methods Detail page, take a look at the method and how to download it

## Use Analytical Methods to develop a combined method

### Combined Assay

In CAS Analytical Methods use Advanced Search:

#### Advanced Search

Keyword	Longitudinal monitoring of endogenous steroids in human serum by UHPLC-MS/MS as a tool to detect testosterone abuse in sports	
OR	Analyte	5289-74-7
Add Search Criteria		
<input type="button" value="🔍"/>	<input type="button" value="Clear"/>	

Use Technique filter: Electrospray ionization tandem mass spectrometry and Electrospray ionization mass spectrometry

Compare results #1 and #4 then download the excel file