

Analytical Reference Standards

2021/09



» ALCOHOL & ETHANOL BIOMARKERS

The use of ethanol biomarkers such as Ethylglucuronide (EtG) and Ethylsulfate (EtS) has expanded greatly over the past few years. Both EtG and EtS are sensitive and specific biomarkers for alcohol consumption providing intermediate detection window between short and long term markers.

For EtG- and EtS-testing, LIPOMED provides native and deuterated reference standards supplied as calibrated solutions in methanol and in standard pack sizes of 10 mg, 50 mg and 100 mg.

For more information, please check our website
www.lipomed.com.

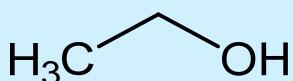
Are you also looking for
Aqueous Ethanol Standards?

- » Currently available from LIPOMED: NIST-traceable Ethanol standards supplied in concentrations ranging from 10 mg/dL to 700 mg/dL.
- » Available in 1.2 mL ampoules
- » Supplied as calibrated standard solutions in water.

Acetone Ethanol Isopropanol Methanol	<p>Alcohol Mixture 4</p> <p>MIX-1808-0.1LH 0.1 mg/1 ml of each component calibrated solution in water</p>
Acetone Ethanol Isopropanol Methanol	<p>Alcohol Mixture 4</p> <p>MIX-1808-0.2LH 0.2 mg/1 ml of each component calibrated solution in water</p>
Acetone Ethanol Isopropanol Methanol	<p>Alcohol Mixture 4</p> <p>MIX-1808-0.3LH 0.3 mg/1 ml of each component calibrated solution in water</p>
Acetone Ethanol Isopropanol Methanol	<p>Alcohol Mixture 4</p> <p>MIX-1808-0.4LH 0.4 mg/1 ml of each component calibrated solution in water</p>

Acetone Ethanol Isopropanol Methanol	<p>Alcohol Mixture 4</p> <p>MIX-1808-0.5LH 0.5 mg/1 ml of each component calibrated solution in water</p>
Acetone Ethanol Isopropanol Methanol	<p>Alcohol Mixture 4</p> <p>MIX-1808-1LH 1.0 mg/1 ml of each component calibrated solution in water</p>
Acetone Ethanol Isopropanol Methanol	<p>Alcohol Mixture 4</p> <p>MIX-1808-2LH 2.0 mg/1 ml of each component calibrated solution in water</p>
Acetone Ethanol Isopropanol Methanol	<p>Alcohol Mixture 4</p> <p>MIX-1808-4LH 4.0 mg/1 ml of each component calibrated solution in water</p>

Acetone
Ethanol
Isopropanol
Methanol



Alcohol Mixture 4

MIX-1808-5LH	5.0 mg/1 ml of each component	calibrated solution in water
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Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules
 $\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-010-1ML	10 mg Ethanol/1 dl	calibrated solution in water
ETH-010-1ML-5AMP		1 pack of 5 ampoules
ETH-010-1ML-10AMP		1 pack of 10 ampoules
ETH-010-1ML-25AMP		1 pack of 25 ampoules
ETH-010-1ML-50AMP		1 pack of 50 ampoules
ETH-010-1ML-100AMP		1 pack of 100 ampoules

Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

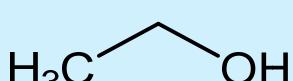
Packs of 5, 10, 25, 50, 100 ampoules
 $\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

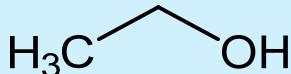
ETH-015-1ML	15 mg Ethanol/1 dl	calibrated solution in water
ETH-015-1ML-5AMP		1 pack of 5 ampoules
ETH-015-1ML-10AMP		1 pack of 10 ampoules
ETH-015-1ML-25AMP		1 pack of 25 ampoules
ETH-015-1ML-50AMP		1 pack of 50 ampoules
ETH-015-1ML-100AMP		1 pack of 100 ampoules

Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules
 $\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-020-1ML	20 mg Ethanol/1 dl	calibrated solution in water
ETH-020-1ML-5AMP		1 pack of 5 ampoules
ETH-020-1ML-10AMP		1 pack of 10 ampoules
ETH-020-1ML-25AMP		1 pack of 25 ampoules
ETH-020-1ML-50AMP		1 pack of 50 ampoules
ETH-020-1ML-100AMP		1 pack of 100 ampoules



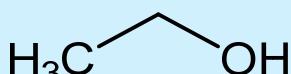


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-025-1ML	25 mg Ethanol/1 dl	calibrated solution in water
ETH-025-1ML-5AMP		1 pack of 5 ampoules
ETH-025-1ML-10AMP		1 pack of 10 ampoules
ETH-025-1ML-25AMP		1 pack of 25 ampoules
ETH-025-1ML-50AMP		1 pack of 50 ampoules
ETH-025-1ML-100AMP		1 pack of 100 ampoules

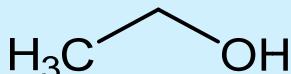


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-040-1ML	40 mg Ethanol/1 dl	calibrated solution in water
ETH-040-1ML-5AMP		1 pack of 5 ampoules
ETH-040-1ML-10AMP		1 pack of 10 ampoules
ETH-040-1ML-25AMP		1 pack of 25 ampoules
ETH-040-1ML-50AMP		1 pack of 50 ampoules
ETH-040-1ML-100AMP		1 pack of 100 ampoules

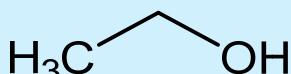


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-050-1ML	50 mg Ethanol/1 dl	calibrated solution in water
ETH-050-1ML-5AMP		1 pack of 5 ampoules
ETH-050-1ML-10AMP		1 pack of 10 ampoules
ETH-050-1ML-25AMP		1 pack of 25 ampoules
ETH-050-1ML-50AMP		1 pack of 50 ampoules
ETH-050-1ML-100AMP		1 pack of 100 ampoules

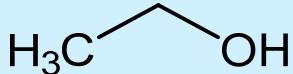


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-070-1ML	70 mg Ethanol/1 dl	calibrated solution in water
ETH-070-1ML-5AMP		1 pack of 5 ampoules
ETH-070-1ML-10AMP		1 pack of 10 ampoules
ETH-070-1ML-25AMP		1 pack of 25 ampoules
ETH-070-1ML-50AMP		1 pack of 50 ampoules
ETH-070-1ML-100AMP		1 pack of 100 ampoules

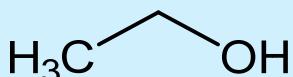


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-080-1ML	80 mg Ethanol/1 dl	calibrated solution in water
ETH-080-1ML-5AMP		1 pack of 5 ampoules
ETH-080-1ML-10AMP		1 pack of 10 ampoules
ETH-080-1ML-25AMP		1 pack of 25 ampoules
ETH-080-1ML-50AMP		1 pack of 50 ampoules
ETH-080-1ML-100AMP		1 pack of 100 ampoules

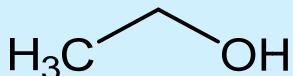


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-090-1ML	90 mg Ethanol/1 dl	calibrated solution in water
ETH-090-1ML-5AMP		1 pack of 5 ampoules
ETH-090-1ML-10AMP		1 pack of 10 ampoules
ETH-090-1ML-25AMP		1 pack of 25 ampoules
ETH-090-1ML-50AMP		1 pack of 50 ampoules
ETH-090-1ML-100AMP		1 pack of 100 ampoules

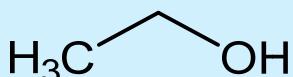


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-100-1ML	100 mg Ethanol/1 dl	calibrated solution in water
ETH-100-1ML-5AMP		1 pack of 5 ampoules
ETH-100-1ML-10AMP		1 pack of 10 ampoules
ETH-100-1ML-25AMP		1 pack of 25 ampoules
ETH-100-1ML-50AMP		1 pack of 50 ampoules
ETH-100-1ML-100AMP		1 pack of 100 ampoules

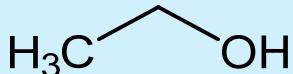


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-125-1ML	125 mg Ethanol/1 dl	calibrated solution in water
ETH-125-1ML-5AMP		1 pack of 5 ampoules
ETH-125-1ML-10AMP		1 pack of 10 ampoules
ETH-125-1ML-25AMP		1 pack of 25 ampoules
ETH-125-1ML-50AMP		1 pack of 50 ampoules
ETH-125-1ML-100AMP		1 pack of 100 ampoules

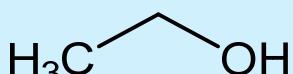


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-150-1ML	150 mg Ethanol/1 dl	calibrated solution in water
ETH-150-1ML-5AMP		1 pack of 5 ampoules
ETH-150-1ML-10AMP		1 pack of 10 ampoules
ETH-150-1ML-25AMP		1 pack of 25 ampoules
ETH-150-1ML-50AMP		1 pack of 50 ampoules
ETH-150-1ML-100AMP		1 pack of 100 ampoules

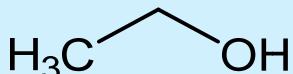


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-160-1ML	160 mg Ethanol/1 dl	calibrated solution in water
ETH-160-1ML-5AMP		1 pack of 5 ampoules
ETH-160-1ML-10AMP		1 pack of 10 ampoules
ETH-160-1ML-25AMP		1 pack of 25 ampoules
ETH-160-1ML-50AMP		1 pack of 50 ampoules
ETH-160-1ML-100AMP		1 pack of 100 ampoules

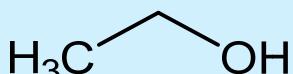


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-170-1ML	170 mg Ethanol/1 dl	calibrated solution in water
ETH-170-1ML-5AMP		1 pack of 5 ampoules
ETH-170-1ML-10AMP		1 pack of 10 ampoules
ETH-170-1ML-25AMP		1 pack of 25 ampoules
ETH-170-1ML-50AMP		1 pack of 50 ampoules
ETH-170-1ML-100AMP		1 pack of 100 ampoules

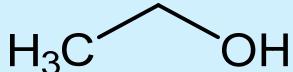


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-200-1ML	200 mg Ethanol/1 dl	calibrated solution in water
ETH-200-1ML-5AMP		1 pack of 5 ampoules
ETH-200-1ML-10AMP		1 pack of 10 ampoules
ETH-200-1ML-25AMP		1 pack of 25 ampoules
ETH-200-1ML-50AMP		1 pack of 50 ampoules
ETH-200-1ML-100AMP		1 pack of 100 ampoules

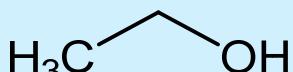


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-250-1ML	250 mg Ethanol/1 dl	calibrated solution in water
ETH-250-1ML-5AMP		1 pack of 5 ampoules
ETH-250-1ML-10AMP		1 pack of 10 ampoules
ETH-250-1ML-25AMP		1 pack of 25 ampoules
ETH-250-1ML-50AMP		1 pack of 50 ampoules
ETH-250-1ML-100AMP		1 pack of 100 ampoules

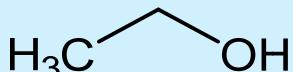


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-300-1ML	300 mg Ethanol/1 dl	calibrated solution in water
ETH-300-1ML-5AMP		1 pack of 5 ampoules
ETH-300-1ML-10AMP		1 pack of 10 ampoules
ETH-300-1ML-25AMP		1 pack of 25 ampoules
ETH-300-1ML-50AMP		1 pack of 50 ampoules
ETH-300-1ML-100AMP		1 pack of 100 ampoules

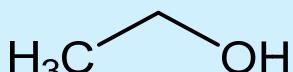


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-400-1ML	400 mg Ethanol/1 dl	calibrated solution in water
ETH-400-1ML-5AMP		1 pack of 5 ampoules
ETH-400-1ML-10AMP		1 pack of 10 ampoules
ETH-400-1ML-25AMP		1 pack of 25 ampoules
ETH-400-1ML-50AMP		1 pack of 50 ampoules
ETH-400-1ML-100AMP		1 pack of 100 ampoules

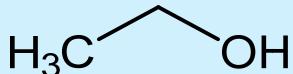


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-500-1ML	500 mg Ethanol/1 dl	calibrated solution in water
ETH-500-1ML-5AMP		1 pack of 5 ampoules
ETH-500-1ML-10AMP		1 pack of 10 ampoules
ETH-500-1ML-25AMP		1 pack of 25 ampoules
ETH-500-1ML-50AMP		1 pack of 50 ampoules
ETH-500-1ML-100AMP		1 pack of 100 ampoules

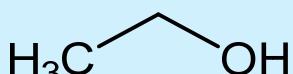


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-600-1ML	600 mg Ethanol/1 dl	calibrated solution in water
ETH-600-1ML-5AMP		1 pack of 5 ampoules
ETH-600-1ML-10AMP		1 pack of 10 ampoules
ETH-600-1ML-25AMP		1 pack of 25 ampoules
ETH-600-1ML-50AMP		1 pack of 50 ampoules
ETH-600-1ML-100AMP		1 pack of 100 ampoules



Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_6\text{O}$ M.W.: 46.07

ETH-700-1ML	700 mg Ethanol/1 dl	calibrated solution in water
ETH-700-1ML-5AMP		1 pack of 5 ampoules
ETH-700-1ML-10AMP		1 pack of 10 ampoules
ETH-700-1ML-25AMP		1 pack of 25 ampoules
ETH-700-1ML-50AMP		1 pack of 50 ampoules
ETH-700-1ML-100AMP		1 pack of 100 ampoules



Ethyl- β -D-glucuronide (shipment under ice for solution)

$\text{C}_8\text{H}_{14}\text{O}_7$ M.W.: 222.19

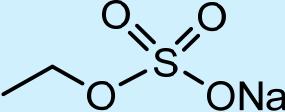
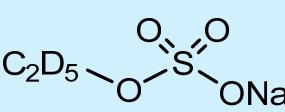
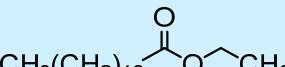
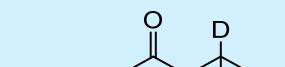
EGL-332-1LM	1.0 mg/1 ml	calibrated solution in methanol
EGL-332-10	10 mg	powder
EGL-332-50	50 mg	powder
EGL-332-100	100 mg	powder



Ethyl- β -D-glucuronide-D₅ (shipment under ice for solutions)

$\text{C}_8\text{H}_9\text{D}_5\text{O}_7$ M.W.: 227.22

EGL-780-0.1LM	0.1 mg/1 ml	calibrated solution in methanol
EGL-780-1LM	1.0 mg/1 ml	calibrated solution in methanol
EGL-780-1LM-5	5 mg/5 ml	calibrated solution in methanol
EGL-780-10	10 mg	powder
EGL-780-50	50 mg	powder
EGL-780-100	100 mg	powder

	Ethylsulfate.sodium salt $C_2H_5NaO_4S$ M.W.: 148.11 <table border="0"> <tr> <td>ETS-972-NA-1LM</td><td>1.0 mg Na salt/1 ml</td><td>calibrated solution in methanol</td></tr> <tr> <td>ETS-972-NA-10</td><td>10 mg</td><td>powder</td></tr> <tr> <td>ETS-972-NA-50</td><td>50 mg</td><td>powder</td></tr> <tr> <td>ETS-972-NA-100</td><td>100 mg</td><td>powder</td></tr> </table>			ETS-972-NA-1LM	1.0 mg Na salt/1 ml	calibrated solution in methanol	ETS-972-NA-10	10 mg	powder	ETS-972-NA-50	50 mg	powder	ETS-972-NA-100	100 mg	powder						
ETS-972-NA-1LM	1.0 mg Na salt/1 ml	calibrated solution in methanol																			
ETS-972-NA-10	10 mg	powder																			
ETS-972-NA-50	50 mg	powder																			
ETS-972-NA-100	100 mg	powder																			
	Ethylsulfate-D₅.sodium salt $C_2D_5NaO_4S$ M.W.: 153.14 <table border="0"> <tr> <td>ETS-979-NA-0.1LM</td><td>0.1 mg Na salt/1 ml</td><td>calibrated solution in methanol</td></tr> <tr> <td>ETS-979-NA-1LM</td><td>1.0 mg Na salt/1 ml</td><td>calibrated solution in methanol</td></tr> <tr> <td>ETS-979-NA-1LM-5</td><td>5 mg Na salt/5 ml</td><td>calibrated solution in methanol</td></tr> <tr> <td>ETS-979-NA-10</td><td>10 mg</td><td>powder</td></tr> <tr> <td>ETS-979-NA-50</td><td>50 mg</td><td>powder</td></tr> <tr> <td>ETS-979-NA-100</td><td>100 mg</td><td>powder</td></tr> </table>			ETS-979-NA-0.1LM	0.1 mg Na salt/1 ml	calibrated solution in methanol	ETS-979-NA-1LM	1.0 mg Na salt/1 ml	calibrated solution in methanol	ETS-979-NA-1LM-5	5 mg Na salt/5 ml	calibrated solution in methanol	ETS-979-NA-10	10 mg	powder	ETS-979-NA-50	50 mg	powder	ETS-979-NA-100	100 mg	powder
ETS-979-NA-0.1LM	0.1 mg Na salt/1 ml	calibrated solution in methanol																			
ETS-979-NA-1LM	1.0 mg Na salt/1 ml	calibrated solution in methanol																			
ETS-979-NA-1LM-5	5 mg Na salt/5 ml	calibrated solution in methanol																			
ETS-979-NA-10	10 mg	powder																			
ETS-979-NA-50	50 mg	powder																			
ETS-979-NA-100	100 mg	powder																			
	Ethyl Myristate Synonym(s): Ethyl tetradecanoate $C_{16}H_{32}O_2$ M.W.: 256.42 <table border="0"> <tr> <td>FAE-1453-1LA</td><td>1.0 mg/1 ml</td><td>calibrated solution in acetonitrile</td></tr> </table>			FAE-1453-1LA	1.0 mg/1 ml	calibrated solution in acetonitrile															
FAE-1453-1LA	1.0 mg/1 ml	calibrated solution in acetonitrile																			
	Ethyl Myristate-D₅ Synonym(s): Ethyl tetradecanoate-D ₅ $C_{16}H_{27}D_5O_2$ M.W.: 261.45 <table border="0"> <tr> <td>FAE-1697-1LA</td><td>1.0 mg/1 ml</td><td>calibrated solution in acetonitrile</td></tr> <tr> <td>FAE-1697-10</td><td>10 mg</td><td>colorless liquid</td></tr> <tr> <td>FAE-1697-50</td><td>50 mg</td><td>colorless liquid</td></tr> <tr> <td>FAE-1697-100</td><td>100 mg</td><td>colorless liquid</td></tr> </table>			FAE-1697-1LA	1.0 mg/1 ml	calibrated solution in acetonitrile	FAE-1697-10	10 mg	colorless liquid	FAE-1697-50	50 mg	colorless liquid	FAE-1697-100	100 mg	colorless liquid						
FAE-1697-1LA	1.0 mg/1 ml	calibrated solution in acetonitrile																			
FAE-1697-10	10 mg	colorless liquid																			
FAE-1697-50	50 mg	colorless liquid																			
FAE-1697-100	100 mg	colorless liquid																			

<chem>CH3(CH2)7=CC(C)(C)OCC(=O)OCC3=CC=C(C=C3)OCC</chem>	Ethyl Oleate Synonym(s): Ethyl (cis)-octadec-9-enoate $C_{20}H_{38}O_2$ M.W.: 310.52 FAE-1452-1LA 1.0 mg/1 ml calibrated solution in acetonitrile		
<chem>CH3(CH2)7=CC(C)(C)OCC(=O)OCC3=CC=C(C=C3)OCC[2H]</chem>	Ethyl Oleate-D₅ Synonym(s): Ethyl (cis)-octadec-9-enoate-D5 $C_{16}H_{33}D_5O_2$ M.W.: 315.55 FAE-1696-1LA 1.0 mg/1 ml calibrated solution in acetonitrile FAE-1696-10 10 mg colorless liquid FAE-1696-50 50 mg colorless liquid FAE-1696-100 100 mg colorless liquid		
<chem>CH3(CH2)14C(=O)OCC3=CC=C(C=C3)OCC</chem>	Ethyl Palmitate Synonym(s): Ethyl hexadecanoate $C_{18}H_{36}O_2$ M.W.: 284.48 FAE-1451-1LA 1.0 mg/1 ml calibrated solution in acetonitrile		
<chem>CH3(CH2)14C(=O)OCC3=CC=C(C=C3)OCC[2H]</chem>	Ethyl Palmitate-D₅ Synonym(s): Ethyl hexadecanoate-D ₅ $C_{18}H_{31}D_5O_2$ M.W.: 289.51 FAE-1695-1LA 1.0 mg/1 ml calibrated solution in acetonitrile FAE-1695-10 10 mg colorless liquid FAE-1695-50 50 mg colorless liquid FAE-1695-100 100 mg colorless liquid		

$\text{CH}_3(\text{CH}_2)_{16}\text{C}(=\text{O})\text{OCH}_3$			
	Ethyl Stearate		

Synonym(s): Ethyl octadecanoate
 $\text{C}_{20}\text{H}_{40}\text{O}_2$ M.W.: 312.53

FAE-1454-1LA 1.0 mg/1 ml

calibrated solution in acetonitrile

$\text{CH}_3(\text{CH}_2)_{16}\text{C}(=\text{O})\text{O}^{\text{D}}\text{CD}_3$			
	Ethyl Stearate-D ₅		
	Synonym(s): Ethyl octadecanoate-D ₅		
	$\text{C}_{20}\text{H}_{35}\text{D}_5\text{O}_2$	M.W.: 317.56	
	FAE-1698-1LA 1.0 mg/1 ml		calibrated solution in acetonitrile
	FAE-1698-10 10 mg		powder
	FAE-1698-50 50 mg		powder
	FAE-1698-100 100 mg		powder

Notes

Notes

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