



2023/06



PHYTO

CANNABINOIDS

Cannabis sativa / Marijuana / Hemp products are the most widely trafficked drugs worldwide, accounting for more than a half of all global seizure cases. However, the global movement for cannabis legalization has led to a growing public interest in the scientific research and development of CANNABINOIDS for use in medical treatments, alternative medicine, cosmetics, and food & beverages additives.

As a result, the increasing open sale of cannabis products and its changing commercial status in many countries worldwide requires control of the concentration of this group of substances and supporting analytical testing to ensure consumer safety and regulatory compliance.

So far over 100 naturally occurring CANNABINOIDS have been discovered, among them the main psychoactive component, Tetrahydrocannabinol (THC, usually (-)-trans- Δ^9 -tetrahydrocannabinol), and the principal cannabinoid, Cannabidiol (CBD).

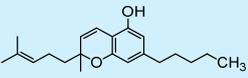
Utilizing high-quality certified reference materials for critical examinations is an important principle that increases the safety and reliability of quality control.

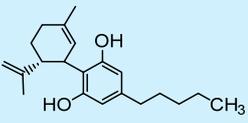
LIPOMED supplies your laboratory with a broad range of CANNABINOIDS, including their metabolites and deuterated forms for analytical purposes in laboratories such as toxicology, forensic, police, custom, cosmetics, food and beverage control, and crop plant testing.

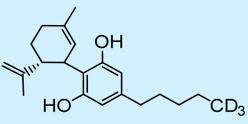
Lipomed's diverse portfolio of products consists of various Phytocannabinoids and synthetic cannabinoids and their metabolites manufactured under ISO 17034 guidelines and developed in-house at our Swiss Facility to meet your testing needs. Our reference standards are available to you as ready-to-use solutions and as bulk powders.

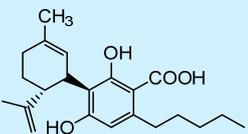
For more information, please visit our website www.lipomed-shop.com or contact us directly.

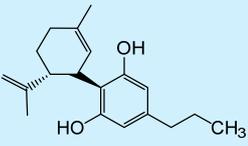
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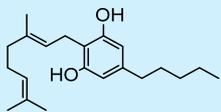
Cannabichromene				
	Synonym(s): CBC			
	Molecular Formula	$C_{21}H_{30}O_2$	CAS Number 20675-51-8	Status
	Molecular Weight	314.47	DEA Number 7350 CI	CH DE FR
	THC-1835-1LM	1.0 mg/1 mL	calibrated solution in methanol	

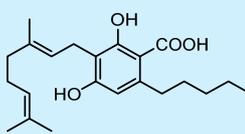
Cannabidiol (shipment under ice for solution)				
	Molecular Formula	$C_{21}H_{30}O_2$	CAS Number 13956-29-1	Status
	Molecular Weight	314.47	DEA Number 7360 CI	CH DE FR
	THC-303-1LM	1.0 mg/1 mL	calibrated solution in methanol	
	THC-303-10	10 mg	powder	
	THC-303-50	50 mg	powder	
THC-303-100	100 mg	powder		

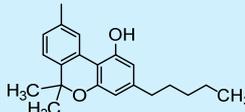
Cannabidiol-D₃ (shipment under ice for solutions)				
	Molecular Formula	$C_{21}H_{27}D_3O_2$	CAS Number N/A	Status
	Molecular Weight	317.47	DEA Number 7360 CI	CH DE FR
	THC-1570-0.1LM	0.1 mg/1 mL	calibrated solution in methanol	
	THC-1570-1LM	1.0 mg/1 mL	calibrated solution in methanol	
	THC-1570-10	10 mg	powder	
	THC-1570-50	50 mg	powder	
THC-1570-100	100 mg	powder		

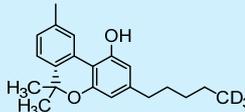
Cannabidiolic Acid (shipment under ice)				
	Synonym(s): CBDA			
	Molecular Formula	$C_{22}H_{30}O_4$	CAS Number 1244-58-2	Status
	Molecular Weight	358.47	DEA Number 7360 CI	CH DE FR
	CBD-1735-1LA	1.0 mg/1 mL	calibrated solution in acetonitrile	
	CBD-1735-10	10 mg	powder	
	CBD-1735-50	50 mg	powder	
CBD-1735-100	100 mg	powder		

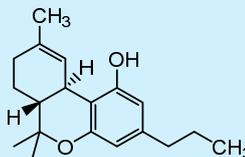
Cannabidivarin (shipment under ice for solution)				
	Synonym(s): CBDV			
	Molecular Formula	$C_{19}H_{26}O_2$	CAS Number 24274-48-4	Status
	Molecular Weight	286.41	DEA Number N/A	CH DE FR
	THC-1834-1LE	1.0 mg/1 mL	calibrated solution in ethanol	
	THC-1834-10	10 mg	powder	
	THC-1834-50	50 mg	powder	
THC-1834-100	100 mg	powder		

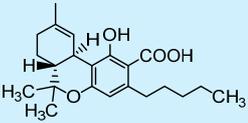
Cannabigerol				
	Synonym(s): CBG			
	Molecular Formula	$C_{21}H_{32}O_2$	CAS Number 25654-31-3	Status
	Molecular Weight	316.48	DEA Number N/A	CH DE FR
	CBG-743-1LE	1.0 mg/1 mL	calibrated solution in ethanol	
	CBG-743-10	10 mg	powder	
	CBG-743-50	50 mg	powder	
CBG-743-100	100 mg	powder		

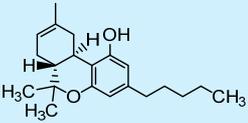
Cannabigerolic acid				
	Synonym(s): CBGA			
	Molecular Formula	$C_{22}H_{32}O_4$	CAS Number 25555-57-1	Status
	Molecular Weight	360.49	DEA Number N/A	CH DE FR
	CBG-1924-10	10 mg	powder	
	CBG-1924-50	50 mg	powder	
	CBG-1924-100	100 mg	powder	

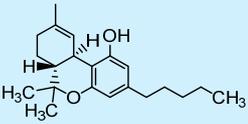
Cannabinol				
	Molecular Formula	$C_{21}H_{26}O_2$	CAS Number 521-35-7	Status
	Molecular Weight	310.44	DEA Number 7360 CI	CH DE FR
	THC-377-1LM	1.0 mg/1 mL	calibrated solution in methanol	
	THC-377-10	10 mg	powder	
	THC-377-50	50 mg	powder	
	THC-377-100	100 mg	powder	

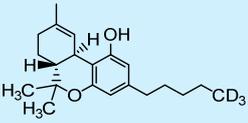
Cannabinol-D₃				
	Molecular Formula	$C_{21}H_{23}D_3O_2$	CAS Number 1435934-54-5	Status
	Molecular Weight	313.45	DEA Number 7360 CI	CH DE FR
	THC-1297-0.1LM	0.1 mg/1 mL	calibrated solution in methanol	
	THC-1297-1LM	1.0 mg/1 mL	calibrated solution in methanol	
	THC-1297-10	10 mg	powder	
	THC-1297-50	50 mg	powder	
THC-1297-100	100 mg	powder		

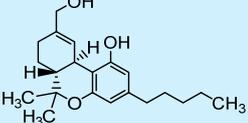
Tetrahydrocannabivarin (THCV)				
	Molecular Formula	$C_{19}H_{26}O_2$	CAS Number 31262-37-0	Status
	Molecular Weight	286.41	DEA Number N/A	CH DE FR
	THC-1852-1LM	1.0 mg/1 mL	calibrated solution in methanol	

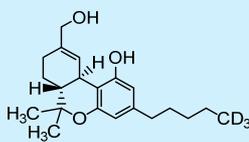
THCA-A (shipment under ice)			
	Synonym(s): (-)-trans- Δ^9 -THC carboxylic acid A		
	Molecular Formula	$C_{22}H_{30}O_4$	CAS Number 23978-85-0
	Molecular Weight	358.48	DEA Number 7370 CI
			Status
			CH DE FR
	THC-741-1LI	1.0 mg/1 mL	calibrated solution in isopropanol
THC-741-10	10 mg	powder	
THC-741-50	50 mg	powder	
THC-741-100	100 mg	powder	

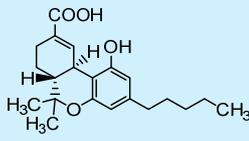
(-)-Δ^8-THC				
	Molecular Formula	$C_{21}H_{30}O_2$	CAS Number 5957-75-5	
	Molecular Weight	314.47	DEA Number 7370 CI	
			Status	
			CH DE FR	
	THC-134-1LE	1.0 mg/1 mL	calibrated solution in ethanol	
	THC-134-10LE	10 mg/1 ml	calibrated solution in ethanol	
THC-134-50LE	50 mg/1 ml	calibrated solution in ethanol		
THC-134-100LE	100 mg/1 ml	calibrated solution in ethanol		

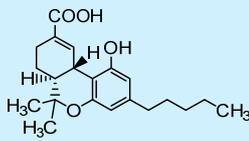
(-)-trans-Δ^9-THC				
	Molecular Formula	$C_{21}H_{30}O_2$	CAS Number 1972-08-3	
	Molecular Weight	314.47	DEA Number 7370 CI	
			Status	
			CH DE FR	
	THC-135-1LE	1.0 mg/1 mL	calibrated solution in ethanol	
	THC-135-10LE	10 mg/1 ml	calibrated solution in ethanol	
THC-135-50LE	50 mg/1 ml	calibrated solution in ethanol		
THC-135-100LE	100 mg/1 ml	calibrated solution in ethanol		

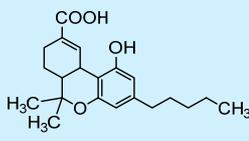
(-)-trans-Δ^9-THC-D₃				
	Molecular Formula	$C_{21}H_{27}D_3O_2$	CAS Number 81586-39-2	
	Molecular Weight	317.49	DEA Number 7370 CI	
			Status	
			CH DE FR	
	THC-315-0.1LE	0.1 mg/1 mL	calibrated solution in ethanol	
	THC-315-1LE	1.0 mg/1 mL	calibrated solution in ethanol	
THC-315-10LE	10 mg/1 ml	solution in ethanol		

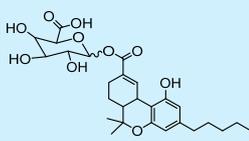
d,l-11-Hydroxy-Δ^9-THC				
	Molecular Formula	$C_{21}H_{30}O_3$	CAS Number 36557-05-8	
	Molecular Weight	330.49	DEA Number 7370 CI	
			Status	
			CH DE FR	
	THC-318-0.1LM	0.1 mg/1 mL	calibrated solution in methanol	
	THC-318-1LM	1.0 mg/1 mL	calibrated solution in methanol	

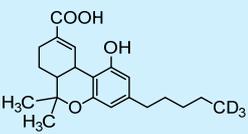
d,l-11-Hydroxy-Δ^9-THC-D₃					
	Molecular Formula	C ₂₁ H ₂₇ D ₃ O ₃	CAS Number	362044-74-4	Status
	Molecular Weight	333.49	DEA Number	7370 CI	CH DE FR
	THC-319-0.1LM	0.1 mg/1 mL	calibrated solution in methanol		
	THC-319-1LM	1.0 mg/1 mL	calibrated solution in methanol		
	THC-319-10LM	10 mg/1 ml	solution in methanol		
	THC-319-50LM	50 mg/1 ml	solution in methanol		
THC-319-100LM	100 mg/1 ml	solution in methanol			

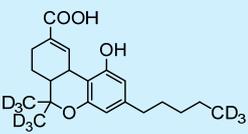
(-)-11-nor-Δ^9-THC carboxylic acid					
	Molecular Formula	C ₂₁ H ₂₈ O ₄	CAS Number	56354-06-4	Status
	Molecular Weight	344.45	DEA Number	7370 CI	CH DE FR
	THC-316-0.1LM	0.1 mg/1 mL	calibrated solution in methanol		
	THC-316-1LM	1.0 mg/1 mL	calibrated solution in methanol		
	THC-316-10	10 mg	powder		
	THC-316-50	50 mg	powder		
THC-316-100	100 mg	powder			

(+)-11-Nor-Δ^9-THC carboxylic acid					
	Molecular Formula	C ₂₁ H ₂₈ O ₄	CAS Number	N/A	Status
	Molecular Weight	344.45	DEA Number	7370 CI	CH DE FR
	THC-840-0.1LM	0.1 mg/1 mL	calibrated solution in methanol		
	THC-840-1LM	1.0 mg/1 mL	calibrated solution in methanol		
	THC-840-10	10 mg	powder		
	THC-840-50	50 mg	powder		
THC-840-100	100 mg	powder			

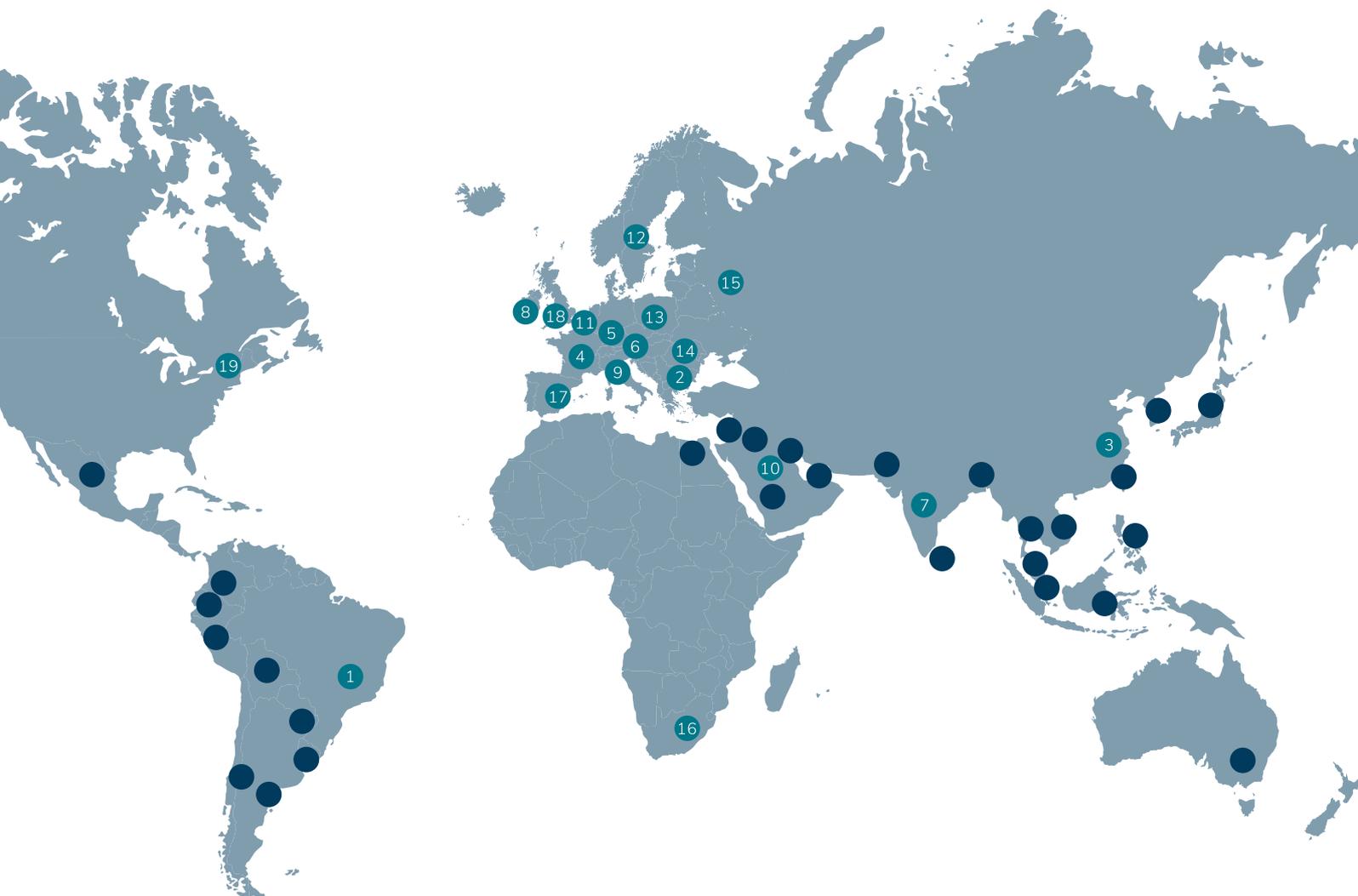
d,l-11-Nor-Δ^9-THC carboxylic acid					
	Molecular Formula	C ₂₁ H ₂₈ O ₄	CAS Number	104874-50-2	Status
	Molecular Weight	344.45	DEA Number	7370 CI	CH DE FR
	THC-726-0.1LM	0.1 mg/1 mL	calibrated solution in methanol		
	THC-726-1LM	1.0 mg/1 mL	calibrated solution in methanol		
	THC-726-10	10 mg	powder		
	THC-726-50	50 mg	powder		
THC-726-100	100 mg	powder			

d,l-11-Nor-Δ^9-THC carboxylic acid glucuronide (shipment under ice)					
	(mix of isomers)				
	Molecular Formula	C ₂₇ H ₃₆ O ₁₀	CAS Number	N/A	Status
	Molecular Weight	520.58	DEA Number	7370 CI	CH DE FR
	THC-1306-0.1LM	0.1 mg/1 mL	calibrated solution in methanol		

d,l-11-nor-Δ^9-THC carboxylic acid-D₃				
 <p>Chemical structure of d,l-11-nor-Δ^9-THC carboxylic acid-D₃ showing a carboxylic acid group (COOH), a hydroxyl group (OH), and a pentyl chain with a CD₃ group.</p>	Molecular Formula	C ₂₁ H ₂₅ D ₃ O ₄	CAS Number 136844-96-7	Status
	Molecular Weight	347.47	DEA Number 7370 CI	CH DE FR
	THC-750-0.1LM	0.1 mg/1 mL	calibrated solution in methanol	
	THC-750-1LM	1.0 mg/1 mL	calibrated solution in methanol	
	THC-750-10	10 mg	powder	
	THC-750-50	50 mg	powder	
THC-750-100	100 mg	powder		

d,l-11-nor-Δ^9-THC carboxylic acid-D₉				
 <p>Chemical structure of d,l-11-nor-Δ^9-THC carboxylic acid-D₉ showing a carboxylic acid group (COOH), a hydroxyl group (OH), and a pentyl chain with a CD₃ group.</p>	Molecular Formula	C ₂₁ H ₁₉ D ₉ O ₄	CAS Number 136765-52-1	Status
	Molecular Weight	353.5	DEA Number 7370 CI	CH DE FR
	THC-1013-0.1LM	0.1 mg/1 mL	calibrated solution in methanol	
	THC-1013-1LM	1.0 mg/1 mL	calibrated solution in methanol	
	THC-1013-10	10 mg	powder	
	THC-1013-50	50 mg	powder	
THC-1013-100	100 mg	powder		

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