



**Betulines - RNDr. Jan Šarek, Ph.D.**

Manufacturing, R&D, import and sales of chemicals

Comp. ID.: 74 38 06 30, Tax No.: CZ 74 02 23 55 77

## Product list - 2023

Substance / catalog name	Catalog no. <sup>1</sup>	Purity	Quantity				
			1 g	5 g	10 g	100 g	1 kg and more

### Compounds lup-20(29)-ene type

Betulin / BE <sup>#</sup>	473-98-3	95						*
Betulin / BE <sup>#</sup>	473-98-3	98			*	*		*
Lupeol / LU <sup>#</sup>	545-47-1	98	*	*	*	*		*
Lupeol acetate / LUAC <sup>#</sup>	1617-68-1	98	*	*	*			
Epilupeol / EPILU	4439-99-0	95	*					
Epilupeol acetate / EPILUAC	6610-54-4	95	*					
Betulonic acid / KBI <sup>#</sup>	472-15-1	98		*	*	*		*
Betulonic acid / KBI <sup>#</sup>	472-15-1	99	*	*	*	*		
Betulin diacetate / BEDIAC <sup>#</sup>	1721-69-3	98		*	*	*		*
Betulin 3-acetate / BE-3AC <sup>#</sup>	27570-20-3	95	*	*	*	*		
Betulin 28-acetate / BE-28AC <sup>#</sup>	27686-35-7	95	*	*	*			
Betulin dipropionate / BEDIP <sup>#</sup>	5956-67-2	98	*	*	*			
Betulonic acid methyl ester / MEBI <sup>#</sup>	2259-06-5	99	*	*	*			
Betulonic acid ethyl ester / ETBI <sup>#</sup>	189384-88-1	99	*	*	*			
Betulonic acid benzyl ester / BNBI	192211-42-0	98	*	*	*			
Acetyl betulonic acid / ACBI <sup>#</sup>	10376-50-8	95	*	*	*	*		*
Betulonic Acid / KBO <sup>#</sup>	4481-62-3	95	*	*	*			
Betulonic Acid / KBO <sup>#</sup>	4481-62-3	98	*	*	*	*		
Pyrazine of betulonic acid / PYRBO	936617-74-2	95	*	*	*			
Methyl betulonate / MEBO <sup>#</sup>	4356-31-4	99	*	*	*			
Benzyl betulonate / BNBO	203576-71-0	98	*	*	*			
Methyl 3β-acetylbetulinate / MEACBI <sup>#</sup>	4356-30-3	99	*					
<b>New!</b> Epicholesteryl betulinate / EPICHOLBI <sup>#,4</sup>	<b>948992-70-9</b>	<b>95</b>	*	*	*	*		
Epicholesteryl betulinate pegylated / ECO-102 <sup>#,4</sup>	<b>948992-71-0</b>	<b>95</b>	*	*	*	*		

### Compounds lup-18-ene type

21-Oxolup-18-ene-3β,28-diyl diac. / 21-OXODIAC <sup>#</sup>	139255-65-5	98	*	*	*			
Lup-18-ene-3β,28-diyl diacetate / 18-LUP	55976-58-4	98	*	*	*	*		
Methyl-3β-acetoxy-21-oxolup-18-ene-28-oate / MEAC21-OXO <sup>#</sup>	35013-61-1	98	*	*				
Methyl-3β-acetoxy-21,22-dioxolup-18-ene-28-oate / DIKMEOAC <sup>#</sup>	374902-03-1	98	*	*				
3β-acetoxy-21-oxolup-18-ene-28-oic acid / AC21-OXO <sup>#</sup>	374901-99-2	95	*	*	*			
3β-hydroxy-21-oxolup-18-ene-28-oic acid / OH21-OXO <sup>#</sup>	35013-48-0	95	*	*	*			



## Betulinines - RNDr. Jan Šarek, Ph.D.

Manufacturing, R&D, import and sales of chemicals

Comp. ID.: 74 38 06 30, Tax No.: CZ 74 02 23 55 77

### Product list - 2023

Substance / catalog name	Catalog no.!	Purity	Quantity				
			1 g	5 g	10 g	100 g	1 kg and more
<b>Compounds lupane type</b>							
Dihydrobetulin diacetate / DIHBEDIAC <sup>#</sup>	43124-92-1	99	*	*	*		
Acetyl dihydrobetulinic acid / ACDIHBI <sup>#</sup>	25488-54-4	98	*	*	*		
Dihydrobetulinic acid / DIHBI <sup>#</sup>	25488-53-3	98	*	*	*		
Methyl 3 $\beta$ -acetyldihydrobetulinate / MEACDIHBI <sup>#</sup>	4477-74-1	99	*				
Methyl dihydrobetulinate / MEDIHBI <sup>#</sup>	4550-88-3	99	*				
Dihydrobetulonic acid / DIHBO <sup>#</sup>	25576-27-6	95	*	*	*		
2-Bromodihydrobetulonic acid / BRDIHBO	244089-19-8	95	*	*	*		
2,2-Dibromodihydrobetulonic acid / DIBRDIHBO	1379668-42-4	95	*	*	*		
2,2-Difluorodihydrobetulonic acid / DIFDIHBO	1772632-26-4	95	*	*	*		
2,2-Difluorodihydrobetulinic acid / DIFDIHBI	1772632-28-6	95	*	*	*		
Methyl dihydrobetulonate / MEDIHBO <sup>#</sup>	20066-05-1	99	*				
Dihydrobetulin / DIHBE <sup>#</sup>	7372-31-8	98	*	*	*		
Platanic acid /KPLA	6060-06-6	95	*	*	*	*	
Acetyl platanic acid / ACPLA	26581-14-6	90	*	*	*	*	

### Compounds oleanane type

Allobetulin /ALIN <sup>#</sup>	1617-72-7	95	*	*	*	*	*
Allobetulon / ALON	28282-22-6	95	*	*	*	*	*
2-Bromoallobetulon / BRALON	120663-47-0	95	*	*	*		
2,2-Dibromoallobetulon / DIBRALON	103366-00-3	95	*	*	*		
Oleanolic acid / OLA	508-02-1	98	*	*	*	*	
Oleanonic acid / OLO	17990-42-0	95	*	*	*		
Methyl oleanonate / MEOLO	1721-58-0	98	*	*	*		
Ethyl oleanonate / ETOLO	105342-33-4	98	*	*	*		
Acetyl oleanolic acid / ACOLA	4339-72-4	98	*	*	*	*	
<b>New!</b> Erythrodiol / ERO	<b>545-48-2</b>	<b>98</b>	*	*	*		
Morolic acid / MOROLI	559-68-2	95	*	*			
Moronic acid / MORONO	6713-27-5	95	*	*			
<b>New!</b> Glycyrrhetic acid / GLYRRA	<b>471-53-4</b>	<b>95</b>	*	*	*	*	

### Compounds ursane type

<b>New!</b> Ursolic acid / URA	77-52-1	98	*	*	*	*	
Ursonic acid / URO	6246-46-4	95	*	*	*	*	
<b>Uvaol / UVO</b>	<b>545-46-0</b>	<b>98</b>	*	*	*		



**Betulines - RNDr. Jan Šarek, Ph.D.**

Manufacturing, R&D, import and sales of chemicals

Comp. ID.: 74 38 06 30, Tax No.: CZ 74 02 23 55 77

## Product list - 2023

Substance / catalog name	Catalog no. <sup>1</sup>	Purity	Quantity				
			1 g	5 g	10 g	100 g	1 kg and more

### Compounds taraxastane type

Heterobetulin / HEBE	508-81-6	98	*	*	*	*
Heterobetulin diacetate / HEBEAC2	38602-40-3	98	*	*	*	*
Heterobetulinic acid / HEBEBI <sup>3</sup>	851207-88-0	95	*	*	*	
Heterobetulonic acid / HEBEBO <sup>3</sup>	946600-73-3	95	*	*		

### Compounds friedelane type

Friedelin / FRI	559-74-0	98	*	*	*	
Epifriedelanol / EPIFRIOL	16844-71-6	98	*	*	*	

### Triterpenic extracts

ethanolic extract of birch bark (dry)						request
ethanolic extract of plane tree (dry)						request

### Aqueous solutions of triterpenoids

Platanic acid / KPLA, 3% aq. solution	6060-06-6	-	*	*	*	*
Betulinic acid / KBI, 3% aq. solution	472-15-1	-	*	*	*	*
21-oxo acid / AC21-OXO, 3% aq. solution	374901-99-2	-	*	*	*	*

### Compounds other type

2H-furo[2,3-c]pyran-2-one / Smoke 3 <sup>#,2</sup>	857054-03-6	95	*	*	*	*
3-methyl-2H-furo[2,3-c]pyran-2-one / Smoke 1 <sup>#,2</sup>	857054-02-5	95	*	*	*	*
Growth and germination stimulant <sup>2</sup>	857054	--				*
<i>N,N,N',N'</i> -tetraoctyldiglycolamide / TODGA <sup>#</sup>	342794-43-8	95	*	*	*	*
solketyl chloroformate	28863-62-9	95	*	*	*	*
solketal (racemic)	100-79-8	98				*
levoglucosan (1,6-anhydro-β-D-glucose)	498-07-7	95	*	*	*	*

<sup>1</sup> Catalogue numbers are identical with CAS RN; CAS RN is registered trademark of ACS.

<sup>2</sup> Product is not available in the U.S., Canada, South Africa and Australia due to territorial patent protection.

<sup>3</sup> Product is not available in the U.S. due to territorial patent protection.

<sup>4</sup> Product is produced under the license of Callys Production SPRL.

<sup>#</sup> We are able to synthesize selectively labelled compounds with stable isotopes on demand.

Terms of payment are in consideration with our General Commercial Terms and Condition (available at [www.betulinines.com/podminky.pdf](http://www.betulinines.com/podminky.pdf)).