

# Cyclolab

a cyclodextrin R&D company

## Product list 2019

valid from 1<sup>st</sup> July, 2019

Dear Customer,

Over the next pages you will find a range of cyclodextrin derivatives of different quality grades and target applications. Hereby, we would like to provide some guidance and ideas what to expect of the products and why to use them. For updates, news and also to process orders, please visit [www.cyclolab.hu](http://www.cyclolab.hu). For any questions, you can always write to us at [info@cyclolab.hu](mailto:info@cyclolab.hu).

## Pharma grade cyclodextrins:

Among pharma grade CDs, we provide all seven kinds of cyclodextrins that are included in either USP, EP or JP or have ever been used in approved pharmaceutical products. This includes Cyclolab's own Betadex Sulfobutyl Ether Sodium (Dexolve™), manufactured with a proprietary technology. These are offered in kg quantities based on individual enquiries at [info@cyclolab.hu](mailto:info@cyclolab.hu). Should you require another CD type for pharma purposes, please contact us for details.

## Standard grade cyclodextrins:

Among standard grade CDs, we provide a wider range of cyclodextrin derivatives for R&D purposes, early phase industrial developments for pharma, food, cosmetic and household industries or raw materials for further derivatization (e.g. for Sugammadex) among other potential applications. Besides the seven pharma CDs, a great number of further derivatives are available in high purity. These are offered in kg quantities based on individual enquiries at [info@cyclolab.hu](mailto:info@cyclolab.hu). To discuss needs and proposals of unlisted CDs at kg scale, please contact us.

## Fine chemical grade cyclodextrins:

### *Non-ionic, anionic and cationic derivatives:*

At Cyclolab you can find the widest portfolio worldwide of available cyclodextrin derivatives differing in type, number and position of substituents for your research purposes. The current catalogue contains only the most frequently asked products. If your needs require something not listed, please contact us at [info@cyclolab.hu](mailto:info@cyclolab.hu) to find out if we can prepare the CD you desire or have it on stock already.

### *Single isomer CD derivatives:*

Cyclolab also offers a great variety of single isomer CDs, ideal for sophisticated analytical purposes (e.g. enantioseparation) or to study the interaction between host and guest which is more troublesome with randomly substituted derivatives. Several single isomer derivatives are also included among non-ionic, anionic and cationic derivatives. Similarly, the current catalogue contains only the most frequently asked products, for specific needs, please contact us at [info@cyclolab.hu](mailto:info@cyclolab.hu).

### *Fluorescent tagged derivatives:*

A recently developed group of compounds includes to most traditional CDs tagged with different kind of fluorophores, ideal for diagnostic purposes or for tracing the route of CDs in *in vitro*, *ex vivo* and *in vivo* studies. Any kind of CD derivative can be prepared upon request in this manner. Fluorescent-tagged polymers are also available.

### *Cyclodextrin polymers:*

For formulation and industrial purposes, cyclodextrin polymers of different kinds and different charge are available. The products are CD monomers crosslinked with epichlorohydrin forming a web with complex forming ability which may be superior to the original CDs.

### *Maltooligomers:*

Maltooligomers are open ringed cyclodextrins, acyclic molecules having linear structure. These compounds may fit for interaction studies (including solubilization), analytical purposes or enzymatic studies.

### *CD complexes:*

Cyclolab prepares a great number of water soluble solid complexes of hardly soluble or insoluble active ingredients, fragrances, lipoic acids, vitamins, carotenoids, pharmaceutical actives, etc. A short list of these are included in the catalogue, for any other specific guest to be encapsulated, please reach out to us for discussion at [info@cyclolab.hu](mailto:info@cyclolab.hu).

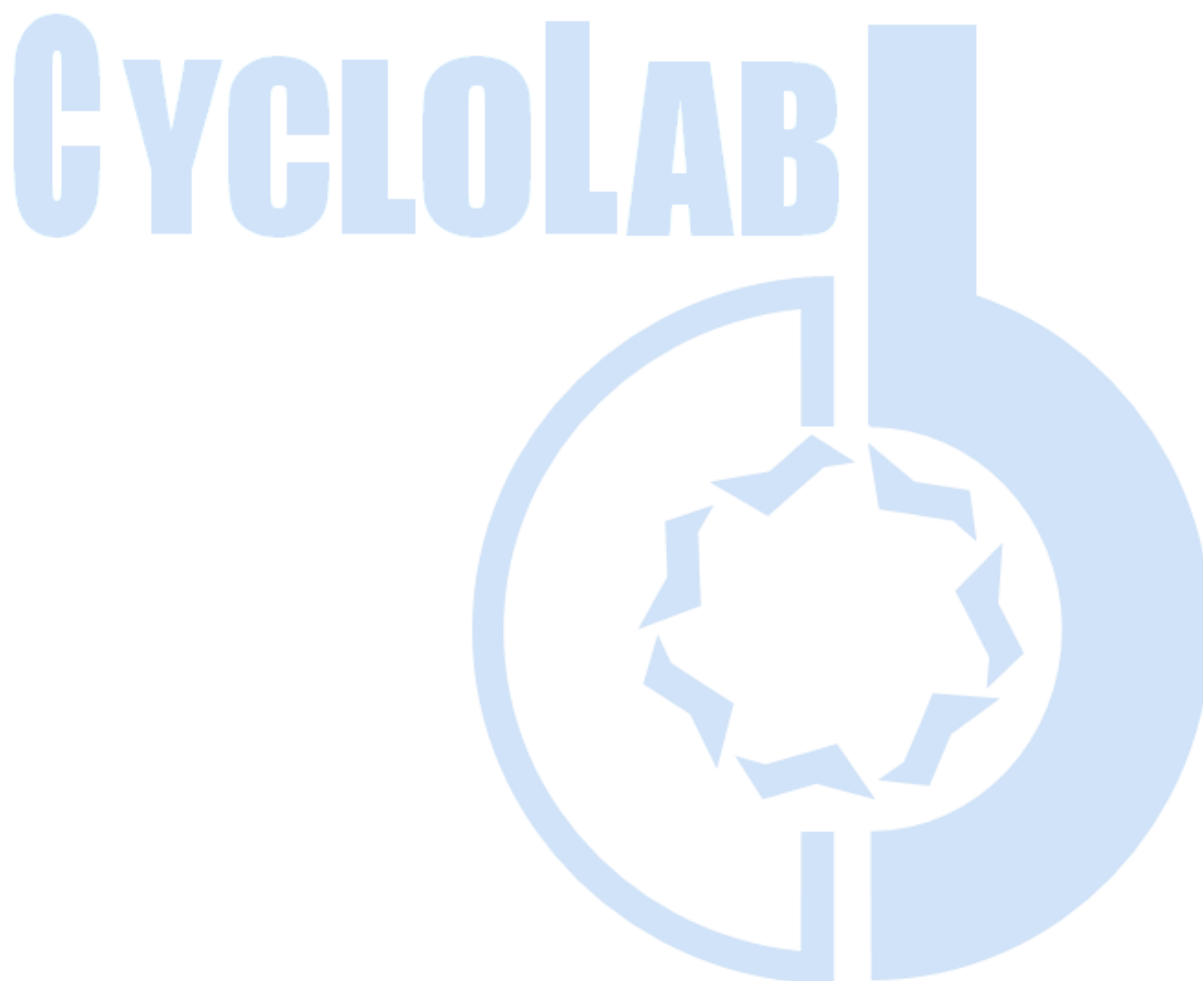
### **HPLC columns:**

Specific columns, designed for efficient separation and analysis of cyclodextrins particularly. The sophisticated combination of electrostatic and host-guest interaction yields an excellent separation of fractions differing in the number of substituents

(separation of randomly substituted derivatives) or among the main product and its impurities (e.g. in case of single isomers to be used as APIs, like Sugammadex).

### **Analytical standards:**

Cyclolab offers secondary analytical standards for the cyclodextrins available as reference materials for pharmacopeia (alpha-, beta- gamma, hydroxypropyl-beta- and sulfobutyl-beta cyclodextrins) and primary standards for those that are not (methylated-beta-, hydroxypropyl-gamma-cyclodextrin and Sugammadex) along with a wide range of impurity standards for Sugammadex including intermediates.



## Pharma grade cyclodextrins:

Product code	Product name	Abbreviation	CAS no	Price in EUR/g
CODE 37	Alpha-cyclodextrin	ACD	10016-20-3	Contact us!
CODE 33	Beta-cyclodextrin	BCD	7585-39-9	Contact us!
CODE 36	Gamma-cyclodextrin	GCD	17465-86-0	Contact us!
CODE 47	Sulfobutylated beta-cyclodextrin sodium salt (DS~6.5)	SBECD	182410-00-0	Contact us!
CODE 28	(2-Hydroxypropyl)-gamma-cyclodextrin (DS~4.5)	HPGCD	128446-34-4	Contact us!
CODE 29	Methyl-beta-cyclodextrin (DS~12)	RAMEB	128446-36-6	Contact us!
CODE 27	(2-Hydroxypropyl)-beta-cyclodextrin (DS~4.5)	HPBCD	128446-35-5	Contact us!



## Standard grade cyclodextrins:

Product code	Product name	Abbreviation	CAS no	Price in EUR/g
CODE 37	Alpha-cyclodextrin	ACD	10016-20-3	Contact us!
CODE 33	Beta-cyclodextrin	BCD	7585-39-9	Contact us!
CODE 36	Gamma-cyclodextrin	GCD	17465-86-0	Contact us!
CODE 47	Sulfobutylated beta-cyclodextrin sodium salt (DS~6.5) - Research grade	SBECD	182410-00-0	Contact us!
CODE 50	Sulfobutylated beta-cyclodextrin sodium salt (DS~4)	SBECD4	182410-00-0	Contact us!
CODE 41	(2-Hydroxypropyl)-alpha-cyclodextrin (DS~4.5)	HPACD	99241-24-4	Contact us!
CODE 27	(2-Hydroxypropyl)-beta-cyclodextrin (DS~4.5)	HPBCD	128446-35-5	Contact us!
CODE 38	(2-Hydroxypropyl)-gamma-cyclodextrin (DS~4.5)	HPGCD	128446-34-4	Contact us!
CODE 35	Heptakis(2,6-di-O-methyl)-beta-cyclodextrin content > 35% (DS~14)	DIMEB-50	51166-71-3	Contact us!
CODE 34	Heptakis(2,3,6-tri-O-methyl)-beta-cyclodextrin	TRIMEB	55216-11-0	Contact us!
CODE 29	Methyl-beta-cyclodextrin (DS~12)	RAMEB	128446-36-6	Contact us!
CODE 50	Octakis(6-deoxy-6-chloro)-gamma-cyclodextrin	perClGCD, OClGCD	173094-60-5	Contact us!
CODE 51	Octakis(6-deoxy-6-iodo)-gamma-cyclodextrin	perIGCD, OIGCD	168296-33-1	Contact us!
CODE 52	Octakis(6-deoxy-6-bromo)-gamma-cyclodextrin	perBrGCD, OBrGCD	53784-84-2	Contact us!

## Fine chemical grade cyclodextrins (*Non-ionic derivatives*):

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
				Weight	Price
CY-1001	Alpha-cyclodextrin	ACD	10016-20-3	1-499 g	<b>0,45</b>
				500 g-	<b>0,39</b>
CY-2001	Beta-cyclodextrin	BCD	7585-39-9	1-499 g	<b>0,09</b>
				500 g-	<b>0,07</b>
CY-3001	Gamma-cyclodextrin	GCD	17465-86-0	1-99 g	<b>1,1</b>
				100-499 g	<b>0,85</b>
				500 g-	<b>0,55</b>
CY-2002.1	Acetyl-beta-cyclodextrin (DS~7)	AcBCD		1-9 g	<b>27,2</b>
				10-24 g	<b>20,5</b>
				25 g-	<b>13,6</b>
CY-2004.0	Heptakis(2,6-di-O-methyl)-beta-cyclodextrin content > 35% (DS~14)	DIMEB-50	51166-71-3	1-24 g	<b>42,5</b>
				25-49 g	<b>40,8</b>
				50 g-	<b>34</b>
CY-2004.3	Heptakis(2,6-di-O-methyl)-beta-cyclodextrin content ~95% (DS~14)	DIMEB-95	51166-71-3	1-4 g	<b>137</b>
				5-9 g	<b>122,6</b>
				10 g-	<b>111</b>
CY-1004.1	Methyl-alpha-cyclodextrin (DS ~ 11)	RAMEA		1-9 g	<b>49,3</b>
				10-24 g	<b>42,4</b>
				25 g-	<b>33,9</b>
CY-2004.1	Methyl-beta-cyclodextrin (DS~12)	RAMEB	128446-36-6	1-49 g	<b>4,14</b>
				50-99 g	<b>3</b>
				100 g-	<b>2,85</b>
CY-3004.1	Methyl-gamma-cyclodextrin (DS ~ 12)	RAMEG		1-9 g	<b>70,4</b>
				10-24 g	<b>60,5</b>
				25 g-	<b>48,4</b>
CY-1005.2	(2-Hydroxypropyl)-alpha-cyclodextrin (DS~4.5)	HPACD	99241-24-4	1-49 g	<b>5,32</b>
				50-99 g	<b>4,62</b>
				100 g-	<b>3,72</b>
CY-2005.2	(2-Hydroxypropyl)-beta-cyclodextrin (DS~4.5)	HPBCD	128446-35-5	1-49 g	<b>2,16</b>
				50-99 g	<b>1,8</b>
				100 g-	<b>1,45</b>

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
CY-2003	Heptakis(2,3,6-tri-O-methyl)-beta-cyclodextrin	TRIMEB	55216-11-0	1-4 g	<b>49,2</b>
				5-9 g	<b>45</b>
				10-24 g	<b>40,7</b>
				25 g-	<b>34,6</b>
CY-2018	Heptakis(2,3,6-tri-O-benzoyl)-beta-cyclodextrin	TRIBenzBCD	23666-43-5	1-5 g	<b>105</b>
				5-10g	<b>82</b>
				11-50 g	<b>69</b>
CY-2050	6-Monodeoxy-6-monoazido-beta-cyclodextrin	MoAZBCD		1-4 g	<b>231,6</b>
				5 g-	<b>218</b>
CY-2051	6-Monodeoxy-6-monoiodo-beta-cyclodextrin	MoIBCD		1-2 g	<b>264</b>
				3 g-	<b>191,2</b>
CY-3005.2	(2-Hydroxypropyl)-gamma-cyclodextrin (DS~4.5)	HPGCD	128446-34-4	1-49 g	<b>5,32</b>
				50-99 g	<b>4,62</b>
				100 g-	<b>3,72</b>
CY-3061	Octakis(6-deoxy-6-bromo)-gamma-cyclodextrin	OBrGCD	53784-84-2	1-49 g	<b>72,8</b>
				50 g-	<b>66,2</b>
CY-3062	Octakis(6-deoxy-6-iodo)-gamma-cyclodextrin	OIGCD	168296-33-1	1-49 g	<b>72,8</b>
				50 g-	<b>66,2</b>
CY-3204	Octakis(6-deoxy-6-chloro)-gamma-cyclodextrin	OCIGCD	173094-60-5	1-49 g	<b>72,8</b>
				50 g-	<b>66,2</b>
CY-2059	6-Monodeoxy-6-monothio-beta-cyclodextrin	MoThBCD		10 g-	<b>309,9</b>
CY-2075	Heptakis(6-deoxy-6-azido)-beta-cyclodextrin	HAzBCD		1-4 g	<b>120</b>
				5-24 g	<b>108</b>
				25 g-	<b>96</b>
CY-2076	Heptakis(2,3-di-O-methyl-6-deoxy-6-azido)-beta-cyclodextrin	-		1-4 g	<b>187</b>
				5-24 g	<b>169</b>
				25 g-	<b>150</b>
CY-2021	6-Mono-O-(p-toluenesulfonyl)-beta-cyclodextrin	MoTsBCD	67217-55-4	1 g-	<b>56</b>

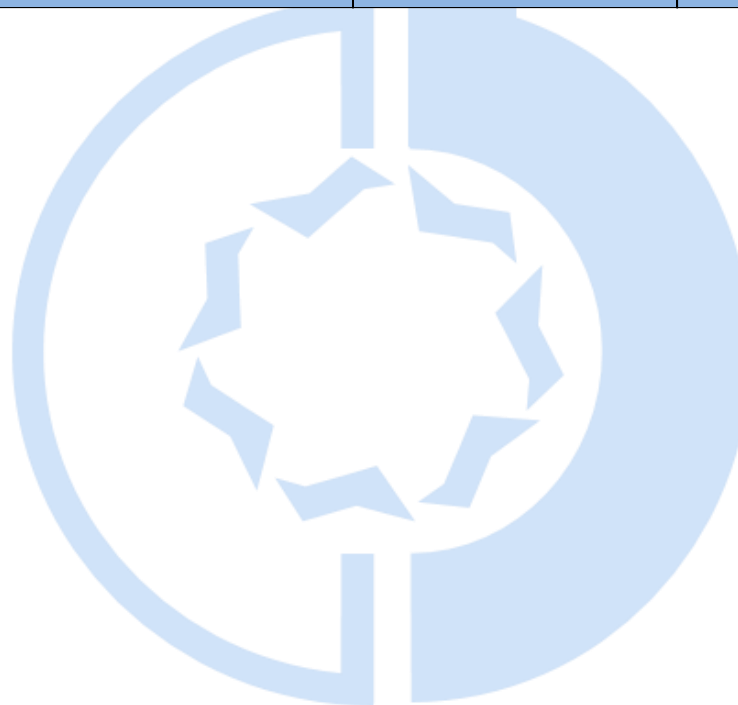


Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
CY-2053	6-Monodeoxy-6-monobromo-beta-cyclodextrin	MoBrBCD		1-4 g	<b>540</b>
				5-24 g	<b>486</b>
				25 g-	<b>432</b>
CY-2204	Heptakis(6-deoxy-6-chloro)-beta-cyclodextrin	HCIBCD		1-4 g	<b>90</b>
				5-24 g	<b>81</b>
				25 g-	<b>72</b>
CY-2061	Heptakis(6-deoxy-6-bromo)-beta-cyclodextrin	HBrBCD	53784-83-1	1-4 g	<b>90</b>
				5-24 g	<b>81</b>
				25 g-	<b>72</b>
CY-2062	Heptakis(6-deoxy-6-iodo)-beta-cyclodextrin	HIBCD	30754-23-5	1-4 g	<b>90</b>
				5-24 g	<b>81</b>
				25 g-	<b>72</b>
CY-2217	6-Monodeoxy-6-monoazido-6-mono-O-(p-toluenesulfonyl)-beta-cyclodextrin	-		1-4 g	<b>375</b>
				5-24 g	<b>337,5</b>
				25 g-	<b>300</b>
CY-2224	Heptakis(6-deoxy-6-thio)-beta-cyclodextrin	HThBCD		1-9 g	<b>195</b>
				10-24 g	<b>185</b>
				25 g-	<b>166</b>

## Fine chemical grade cyclodextrins (*Anionic derivatives*):

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
				1-9 g	32,8
CY-1006.0	Carboxymethyl-alpha-cyclodextrin sodium salt (DS~3.5)	CMACD		10-24 g	27,3
				25 g-	21,8
				1-9 g	27,2
CY-2006.0	Carboxymethyl-beta-cyclodextrin sodium salt (DS~3.5)	CMBCD		10-24 g	20,5
				25 g-	16,32
				1-9 g	40,8
CY-3006.0	Carboxymethyl-gamma-cyclodextrin sodium salt (DS~3.5)	CMGCD		10-24 g	30,75
				25 g-	24,48
				1-9 g	95,2
CY-1007.0	Succinyl-alpha-cyclodextrin (DS~3.5)	SuACD		10 g-	81,8
				1-9 g	49
CY-2007.0	Succinyl-beta-cyclodextrin (DS~3.5)	SuBCD		10 g-	46,5
				1-9 g	74,8
CY-3007.0	Succinyl-gamma-cyclodextrin (DS~3.5)	SuGCD		10 g-	68,1
				1-9 g	43,6
CY-1012.0	(2-Carboxyethyl)-alpha-cyclodextrin (DS~3)	CEACD		10 g-	37,4
				1-9 g	43,6
CY-2012.0	(2-Carboxyethyl)-beta-cyclodextrin sodium salt (DS~3.5)	CEBCD		10-19 g	37,4
				20 g-	33,75
				1-9 g	65,4
CY-3012.0	(2-Carboxyethyl)-gamma-cyclodextrin sodium salt (DS~3.5)	CEGCD		10-19 g	56,1
				20 g-	50,6
				1-2 g	190
CY-1017.1	Alpha-cyclodextrin phosphate sodium salt (DS~2-6)	PACD26	199684-60-1	3 g-	163,2
				1-2g	143
CY-2017.1	Beta-cyclodextrin phosphate sodium salt (DS~2-6)	PBCD26	199684-61-2	3 g-	108,8
				1-2 g	215
CY-3017.1	Gamma-cyclodextrin phosphate sodium salt (DS~2-6)	PGCD26	199684-62-3	3 g-	209,6

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
CY-2041.1	Sulfobutylated beta-cyclodextrin sodium salt (DS~4)	SBECD4	182410-00-0	1-24 g	<b>38,3</b>
				25 g-	<b>26,6</b>
CY-2041.2	Sulfobutylated beta-cyclodextrin sodium salt (DS~6)	SBECD	182410-00-0	1-24 g	<b>6,3</b>
				25 g-	<b>4,6</b>
CY-2041.3	Sulfobutylated beta-cyclodextrin sodium salt (DS~10)	SBECD10	182410-00-0	1-24 g	<b>38,3</b>
				25 g-	<b>26,6</b>
CY-1045	Alpha-cyclodextrin sulfate sodium salt (DS~12)	SACD	699020-02-5	1-4 g	<b>171</b>
				5 g-	<b>150</b>
CY-2045	Beta-cyclodextrin sulfate sodium salt (DS~13)	SBCD	37191-69-8	1-4 g	<b>105</b>
				5 g-	<b>80,4</b>
CY-3045	Gamma-cyclodextrin sulfate sodium salt (DS~14)	SGCD		1-4 g	<b>197</b>
				5 g-	<b>157,6</b>



## Fine chemical grade cyclodextrins (*Cationic derivatives*):

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
				Quantity	Price
CY-2024	6-Monodeoxy-6-monoamino-beta-cyclodextrin hydrochloride	MoAMBCD	29390-67-8	1-4 g	<b>450</b>
				5-9 g	<b>300</b>
				10 g-	<b>255</b>
CY-2065	Heptakis(6-deoxy-6-amino)-beta-cyclodextrin heptahydrochloride	HABCD		1-4 g	<b>305</b>
				5-9 g	<b>230</b>
				10 g-	<b>207</b>
CY-3065	Octakis(6-deoxy-6-amino)-gamma-cyclodextrin octahydrochloride	OAGCD		1-4 g	<b>305</b>
				5 g-	<b>230</b>
CY-1099	(2-Hydroxy-3-N,N,N-trimethylamino)propyl-alpha-cyclodextrin chloride	QAACD		1-9 g	<b>27</b>
				10-24 g	<b>25,8</b>
				25 g-	<b>22</b>
CY-2099	(2-Hydroxy-3-N,N,N-trimethylamino)propyl-beta-cyclodextrin chloride	QABCD		1-9 g	<b>21,8</b>
				10-24 g	<b>20</b>
				25 g-	<b>18</b>
CY-3099	(2-Hydroxy-3-N,N,N-trimethylamino)propyl-gamma-cyclodextrin chloride	QAGCD		1-9 g	<b>27</b>
				10-24 g	<b>25</b>
				25 g-	<b>22</b>
CY-2055	Heptakis(2,3-di-O-methyl)-hexakis(6-O-methyl)-6-monodeoxy-6-monoamino-beta-cyclodextrin hydrochloride	PMMABCD		1-4 g	<b>675</b>
				5-24 g	<b>607,5</b>
				25 g-	<b>540</b>
CY-2056	6-Monodeoxy-6-monoamino-random-methyl-beta-cyclodextrin hydrochloride			1-4 g	<b>285</b>
				5-24 g	<b>256.5</b>
				25 g-	<b>228</b>
CY-2066	Heptakis(2,3-di-O-methyl-6-deoxy-6-amino)-beta-cyclodextrin heptahydrochloride			1-4 g	<b>487</b>
				5 g-	<b>438</b>

## Fine chemical grade cyclodextrins *(Single isomer CD derivatives)*

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
				1-9 g	231
CY-1202	Hexakis(2,3-di-O-methyl-6-sulfo)-alpha-cyclodextrin sodium salt	HDMSACD		10 g-	<b>210</b>
				1-9 g	<b>231</b>
CY-2200	Heptakis(6-sulfo)-beta-cyclodextrin sodium salt	HSBCD	197587-31-8	10 g-	<b>240</b>
				1-9 g	<b>264</b>
CY-2201	Heptakis(2,3-di-O-acetyl-6-sulfo)-beta-cyclodextrin sodium salt	HDASBCD	196398-66-0	10 g-	<b>195</b>
				1-9 g	<b>214,5</b>
CY-2202	Heptakis(2,3-di-O-methyl-6-sulfo)-beta-cyclodextrin sodium salt	HDMSBCD	201346-23-8	10 g-	<b>195</b>
				1-9 g	<b>214,5</b>
CY-3202	Octakis(2,3-di-O-methyl-6-sulfo)-gamma-cyclodextrin sodium salt	ODMSGCD		10 g-	<b>210</b>
				1-9 g	<b>231</b>
CY-2076	Heptakis(2,3-di-O-methyl-6-deoxy-6-azido)-beta-cyclodextrin	-		1-4 g	<b>187</b>
				5-24 g	<b>169</b>
				25 g-	<b>150</b>

## Fine chemical grade cyclodextrins (*Fluorescent tagged derivatives*)

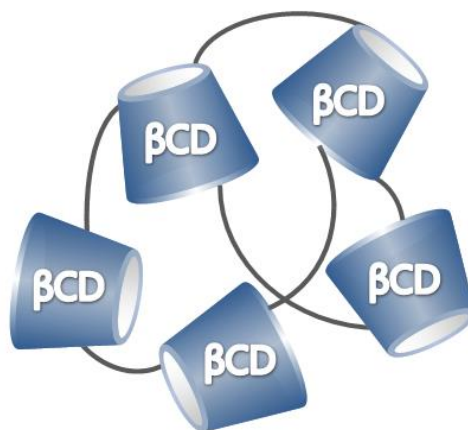
Product code	Product name	Abbreviation	CAS no	Price in EUR/mg	
CY-F-2001	6-deoxy-6-[(5/6)-fluoresceinylthioureido]-BCD	FITC-NH-BCD		1-10 mg	<b>27,3</b>
				11-25 mg	<b>24,84</b>
				26 mg-	<b>22,6</b>
CY-F-2004.1	6-deoxy-6-[(5/6)-fluoresceinylthioureido]-RAMEB	FITC-NH-RAMEB		1-10 mg	<b>35,4</b>
				11-25 mg	<b>32,12</b>
				26 mg-	<b>29,2</b>
CY-F-2005.1	6-deoxy-6-[(5/6)-fluoresceinylthioureido]-HPBCD	FITC-NH-HPBCD		1-10 mg	<b>75,7</b>
				11-25 mg	<b>68,8</b>
				26 mg-	<b>62,56</b>
CY-F-2006.0	6-deoxy-6-[(5/6)-fluoresceinylthioureido]-CMBCD sodium salt	FITC-NH-CMBCD		1 mg-	<b>89</b>
CY-R-2001	6-deoxy-6-[(5/6)-rhodaminythioureido]-BCD	RBITC-NH-BCD		1 mg-	<b>29,6</b>
CY-R-2004.1	6-deoxy-6-[(5/6)-rhodaminythioureido]-RAMEB	RBITC-NH-RAMEB		1 mg-	<b>43,6</b>
CY-R-2005.1	6-deoxy-6-[(5/6)-rhodaminythioureido]-HPBCD	RBITC-NH-HPBCD		1 mg-	<b>95,4</b>
CY-RL-2041.2	Rhodamine labeled sulfobutylated-BCD sodium salt, DS~6.5 for SB,			1 mg-	<b>0,281</b>

## Fine chemical grade cyclodextrins (*Fluorescent tagged polymers*)

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
CY-RL-2009	Rhodamine labeled BCD soluble polymer crosslinked with epichlorohydrin			1 g-	<b>1970</b>
CY-RL-2009.1	Rhodamine labeled amino-BCD soluble polymer crosslinked with			1 g-	<b>2340</b>
CY-FL-2009	Fluorescein labeled BCD soluble polymer crosslinked with epichlorohydrin			1 g-	<b>1590</b>
CY-FL-2009.1	Fluorescein labeled amino-BCD soluble polymer crosslinked with			1 g-	<b>2260</b>

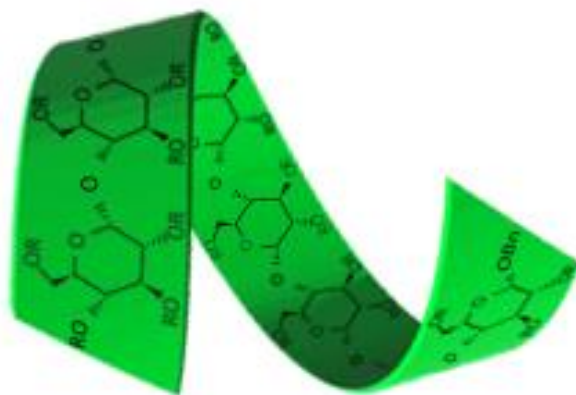
## Fine chemical grade cyclodextrins (*Cyclodextrin polymers*)

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
				1-24 g	50 g-
CY-1009	Soluble alpha-cyclodextrin polymer crosslinked with epichlorohydrin	ACDPS		1-24 g	<b>17,7</b>
				25-49 g	<b>13,6</b>
				50 g-	<b>12,26</b>
CY-2009	Soluble beta-cyclodextrin polymer crosslinked with epichlorohydrin	BCDPS		1-24 g	<b>15</b>
				25-49 g	<b>12,24</b>
				50 g-	<b>10,9</b>
CY-3009	Soluble gamma-cyclodextrin polymer crosslinked with epichlorohydrin	GCDPS		1-9 g	<b>41</b>
				10-24 g	<b>34</b>
				25 g-	<b>21,8</b>
CY-2010	Soluble carboxymethyl-beta-cyclodextrin polymer	BCDPSI		1-24 g	<b>30</b>
				25-49 g	<b>24,88</b>
				50 g-	<b>21,2</b>
CY-2231	Soluble (2-Hydroxy-3-N,N,N-trimethylamino)propyl-beta-cyclodextrin polymer	QABCDPS		Contact us!	
CY-2232	Soluble sulfobutylated-beta-cyclodextrin polymer	SBEBDPS		Contact us!	



## Fine chemical grade cyclodextrins (*Maltooligomers*)

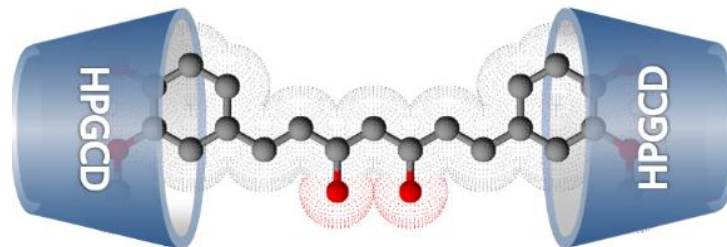
Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
CY-4002	Maltohexaose, anomeric mixture	G6	34620-77-4	1 g-	<b>318</b>
CY-4004	Maltoheptaose, anomeric mixture	G7	34620-78-5	1 g-	<b>318</b>
CY-4006	Maltooctaose, anomeric mixture	G8	6156-84-9	1 g-	<b>318</b>
CY-4001	Peracetyl maltohexaose, anomeric mixture	AcG6		1-9 g	<b>34,2</b>
				10 g-	<b>27,3</b>
				25 g-	<b>24</b>
CY-4003	Peracetyl maltoheptaose, anomeric mixture	AcG7		1-9 g	<b>34,2</b>
				10 g-	<b>27,3</b>
				25 g-	<b>24</b>
CY-4005	Peracetyl maltooctaose, anomeric mixture	AcG8		1-9 g	<b>34,2</b>
				10 g-	<b>27,3</b>
				25 g-	<b>24</b>





## Fine chemical grade cyclodextrins (CD complexes)

Product code	Product name	Abbreviation	CAS no	Price in EUR/g
CY-9008	Oleic acid/RAMEB complex			Contact us!
CY-9007	Linoleic acid/RAMEB complex			Contact us!
CY-9020	Lipoic acid/HPBCD complex			Contact us!
CY-9002	Chloesterol/RAMEB complex			Contact us!
CY-9009	Cholesterol acetate/RAMEB complex			Contact us!
CY-9012	$\alpha$ -tocopherol/RAMEB complex			Contact us!
CY-9014	Ergocalciferol/RAMEB complex			Contact us!
CY-9015	Retinyl acetate/RAMEB complex			Contact us!
CY-9035	Curcumin/HPGCD complex			Contact us!
CY-9017	Progesterone/HPBCD complex			Contact us!
CY-9036	Octanoic acid/RAMEB complex			Contact us!
CY-9021	Linolenic acid/RAMEB complex			Contact us!
CY-9023	Stearic acid/RAMEB complex			Contact us!
CY-9029	Stearic acid/RAMEA complex			Contact us!
CY-9030	Oleic acid/RAMEA complex			Contact us!
CY-9032	Linolenic acid/RAMEA complex			Contact us!
CY-9200	K1 vitamin/RAMEB complex			Contact us!
CY-9201	Hydrogen sulfide/ACD complex			Contact us!
CY-9202	Ethanol/ACD complex			Contact us!
	Lutein/RAMEB complex			Contact us!
	Capsanthin/RAMEB complex			Contact us!
	Menthol/BCD complex			Contact us!
	Stearic acid/RAMEB complex			Contact us!



## Analytical standards – cyclodextrin excipients

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
				1 g	100
	Alpha-cyclodextrin secondary standard			1 g	100
	Beta-cyclodextrin secondary standard			1 g	100
	Gamma-cyclodextrin secondary standard			1 g	100
	(2-Hydroxypropyl)-beta-cyclodextrin (DS~4.5) secondary standard			1 g	100
	Sulfobutylated beta-cyclodextrin sodium salt secondary standard			1 g	100
	(2-Hydroxypropyl)-gamma-cyclodextrin primary standard			1 g	150
	Methyl-beta-cyclodextrin (DS~12) primary standard			1 g	150



## Analytical standards – Sugammadex impurities

Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
				500 mg-	1,3
CY-3205		SGM standard		1000 mg-	1,03
CY-3206	Heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin sodium salt	MonoOHSGM		1-49 mg	19,4
				50-99 mg	12,9
				100 mg-	8,6
CY-3207	Hexakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin sodium salt	DiOHSGM		1-49 mg	21,6
				50-99 mg	14,4
				100 mg-	9,6
CY-3208	6-deoxy-6-chloro-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin sodium salt	MonoCISGM		1-49 mg	21,6
				50-99 mg	14,4
				100 mg-	9,6
CY-3209	6-deoxy-6-(2-((methylcarboxy)ethyl)thio)-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin sodium salt	MonoCOOMeSGM		1-49 mg	53,9
				50-99 mg	35,9
				100 mg-	24
CY-3210	6-deoxy-6-thio-hexakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin	MonoOH-monoSHSGM		1-49 mg	95,8
				50-99 mg	63,9
				100 mg-	42,6
CY-3222	6-deoxy-6-thio-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin	MonoSHSGM		1-49 mg	22,4
				50-99 mg	15
				100 mg-	9,9
CY-3225	6-deoxy-6-(2-((ethylcarboxy)ethyl)thio)-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin sodium salt	MonoCOOEtSGM		1-49 mg	53,9
				50-99 mg	35,9
				100 mg-	24
CY-3226	6-deoxy-6-((2-carboxyethyl)disulfide)-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin sodium salt	Mono-SS-SGM		1-49 mg	82,8
				50-99 mg	55,2
				100 mg-	36,8



Product code	Product name	Abbreviation	CAS no	Price in EUR/g	
CY-3228	6-deoxy-6-((2-carboxyethyl)sulfinyl)-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin ammonium/sodium mixed salt	Mono-SO-SGM		1-49 mg	72
				50-99 mg	50
				100 mg-	32
CY-3229	SGM-SS-SGM dimer	SGM-SS-SGM		1-49 mg	82,8
				50-99 mg	55,2
				100 mg-	36,8
CY-3230	6-deoxy-6-iodo-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin sodium salt	MonoISGM		1-49 mg	24
				50-99 mg	16
				100 mg-	10,7
CY-3235	6-deoxy-6-bromo-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin sodium salt	MonoBrSGM		1-49 mg	24
				50-99 mg	16
				100 mg-	10,7
CY-3229	SGM-SS-SGM dimer	SGM-SS-SGM		1-49 mg	82,8
				50-99 mg	55,2
				100 mg-	36,8
CY-3236	SGM-S-SGM dimer	SGM-S-SGM		1-49 mg	82,8
				50-99 mg	55,2
				100 mg-	36,8
CY-3237	6-deoxy-6-((2-carboxyethyl)sulfinyl)-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin ammonium/sodium mixed salt Enimer A	Epi A of Monosulfoxide		1-49 mg	215,8
				50-99 mg	143,8
				100 mg-	95,9
CY-3238	6-deoxy-6-((2-carboxyethyl)sulfinyl)-heptakis(6-deoxy-6-(2-carboxyethyl)thio)-gamma-cyclodextrin ammonium/sodium mixed salt Enimer B	Epi B of Monosulfoxide		1-49 mg	215,8
				50-99 mg	143,8
				100 mg-	95,9
CY-3240		Mono-anhydro-SGM		1-49 mg	82,8
				50-99 mg	55,2
				100 mg-	36,8

## HPLC columns

Product code	Product name	Abbreviation	CAS no	Price in EUR/pcs
CDS-2504-05	CD-Screen 5 $\mu$ 250x4 mm			850
CDS-1504-03	CD-Screen 3 $\mu$ 150x4 mm			850
CDS-IEC-1504-03	CD-Screen-IEC HPLC column 3 $\mu$ 150x4 mm			850

