

# 851009

## Fascinated by analytics.

Peptide Synthesis Bundle



Our philosophy: to offer you only the best. With a select portfolio of about 5000 high-quality organics and peptide synthesis reagents, we can serve our customers with swift, tailor-made and highly effective solutions. PyBOP®, product number 851009, is one of our top-selling trademarked compounds. As with all our building blocks, reagents and solvents, it is available in any package size you require. We also offer exclusive new synthesis reagents suitable for high-end R&D on Active Pharmaceutical Ingredients. Plus, our new Pharma non-GMP line is optimized for meeting regulatory requirements. Whether you work in the pharmaceutical, cosmetic or technical industry, we support you every step of the way: From R&D to scale-up and production.

Merck Millipore offers you peace of mind in your peptide synthesis activities, so that you can focus your attention on understanding the biological properties of your peptides. Our Novabiochem® Fmoc amino acids, coupling reagents, and resins, in conjunction with our broad range of High Purity Solvents, offer you top quality peptide synthesis results. Furthermore, peptide purification with our Chromolith®, Purospher® STAR or SeQuant ZIC®-HILIC HPLC columns and LiChrosolv® HPLC solvents will offer you highly purified peptides with ease. Let our innovative and high quality products remove the uncertainty of unexpected results in your peptide synthesis activities.

## 20 Standard Fmoc Amino Acids\*

Catalog Number	Product	available pack sizes			
		5g	25g	100g	250g
852003	Fmoc-Ala-OH	5g	25g	100g	250g
852067	Fmoc-Arg(Pbf)-OH	5g	25g	100g	250g
852044	Fmoc-Asn(Trt)-OH	5g	25g	100g	250g
852005	Fmoc-Asp(OtBu)-OH	5g	25g	100g	250g
852008	Fmoc-Cys(Trt)-OH	5g	25g	100g	250g
852045	Fmoc-Gln(Trt)-OH	5g	25g	100g	250g
852009	Fmoc-Glu(OtBu)-OH	5g	25g	100g	250g
852001	Fmoc-Gly-OH	5g	25g	100g	250g
852032	Fmoc-His(Trt)-OH	5g	25g	100g	250g
852010	Fmoc-Ile-OH	5g	25g	100g	250g
852011	Fmoc-Leu-OH	5g	25g	100g	250g
852012	Fmoc-Lys(Boc)-OH	5g	25g	100g	250g
852002	Fmoc-Met-OH	5g	25g	100g	250g
852016	Fmoc-Phe-OH	5g	25g	100g	250g
852017	Fmoc-Pro-OH	5g	25g	100g	250g
852019	Fmoc-Ser(tBu)-OH	5g	25g	100g	250g
852000	Fmoc-Thr(tBu)-OH	5g	25g	100g	250g
852050	Fmoc-Trp(Boc)-OH	5g	25g	100g	250g
852020	Fmoc-Tyr(tBu)-OH	5g	25g	100g	250g
852021	Fmoc-Val-OH	5g	25g	100g	250g



## Resins for Peptide Synthesis\*

Catalog Number	Product	available pack sizes			
		1g	5g	25g	100g
855122	NovaPEG Wang resin	1g	5g	25g	100g
855047	NovaPEG Rink Amide resin	1g	5g	25g	100g
855005	NovaSyn®TGA resin	1g	5g	25g	100g
855009	NovaSyn®TGR resin	1g	5g	25g	100g
855130	Rink Amide AM resin (100-200 mesh)	1g	5g	25g	100g
855120	Rink Amide AM resin LL (100-200 mesh)	1g	5g	25g	100g
855003	Rink Amide MBHA resin (100-200 mesh)	1g	5g	25g	100g
855045	Rink Amide MBHA resin LL (100-200 mesh)	1g	5g	25g	100g
855002	Wang resin (100-200 mesh)	-	5g	25g	100g
855121	Wang resin LL (100-200 mesh)	-	5g	25g	100g

## Cleavage Reagents for Peptide Synthesis\*

Catalog Number	Product	available pack sizes		
		10mL	100mL	-
814324	Bromotrimethylsilane	10mL	100mL	-
800795	1,2-Ethanedithiol	100mL	500mL	-
820825	Methyl phenyl sulfide (thioanisole)	100mL	500mL	2.5kg
822296	Phenol	100g	500g	1kg
808159	Thiophenol	5mL	250mL	1L
818806	Triethylsilane	10mL	50mL	-
808260	Trifluoroacetic acid (TFA)	25mL	100mL	500mL
821166	Trifluoromethanesulfonic acid (TFMSA)	5mL	25mL	100mL
841359	Triisopropylsilane	10mL	-	-



## Coupling Reagents for Peptide Synthesis\*

Catalog Number	Product	available pack sizes			
		5g	25g	100g	500g
851085	COMU	5g	25g	100g	500g
851091	DEBPT	5g	25g	100g	500g
851013	HATU	5g	25g	100g	500g
851006	HBTU	5g	25g	100g	500g
851012	HCTU	5g	25g	100g	500g
851086	Oxyma Pure		25g	100g	500g
851009	PyBOP®	5g	25g	100g	500g
851087	PyClock	5g	25g	100g	500g
851095	PyOxim	5g	25g	100g	500g
802301	1,1'-Carbonyldimidazole for synthesis	2g	5g	25g	100g

## Solvents for Peptide Synthesis\*

Catalog Number	Product	500 mL	1 L	2.5 L	4 L	10 L	30 L	185 L
NEW! 100397	Dimethylformamide (DMF) - for Peptide Synthesis		●	●	●	●	●	
NEW! 100574	NMP (1-Methyl -2 pyrrolidone) - for Peptide Synthesis			●	●			
845111	Piperidine	● (and 100 ml)						
800894	N-Ethyl-diisopropylethylamine (DIPEA)	100 ml & 250 ml	●	●				
803282	1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) for synthesis	25 ml & 100 ml						
107020	Dichloromethane (DCM) for analysis EMPARTA® ACS			●				
107026	Ethyl ether - for analysis EMPARTA® ACS			●				
107018	Methanol - for analysis EMPARTA® ACS	25 L						
116743	Dimethylsulfoxide EMPLURA®		●					

\* Larger volumes on request.



## Solvents for Chromatography\*

Catalog Number	Product	1L	2.5L	4L	10L	30L	185L
100030	Acetonitrile - gradient grade, LiChrosolv®	●	●	●	●	●	●
480448	Acetonitrile/TFA 0.1% LiChrosolv®		●			●	
100029	Acetonitrile hypergrade - LC/MS grade LiChrosolv®	●	●		●	●	
480112	Water/TFA 0.1% LiChrosolv®		●			●	
115333	Water - LC/MS grade LiChrosolv®	●	●		●	●	
106007	Methanol gradient grade, LiChrosolv®	●	●	●	●	●	●
106035	Methanol hypergrade, LC-MS grade, LiChrosolv®	●	●				
101040	2-Propanol gradient grade LiChrosolv®	●	●	●	●	●	

\* Larger volumes on request.

## LiChrospher®

### HPLC columns

Column Type	Sorbent	Cat.No.	Contents of one package (pcs)
Hibar® 150-4.6	LiChrospher® RP-18e, 5µm	1.50549.0001	1
Hibar® 150-4.6	LiChrospher® RP-8e, 5µm	1.50582.0001	1
Hibar® 250-4.6	LiChrospher® RP-18e, 5µm	1.50550.0001	1
Hibar® 250-4.6	LiChrospher® RP-8e, 5µm	1.50583.0001	1

### HPLC cartridges

To be mounted with the cartridge holder manu-CART®,  
Cat. No.1.51486.0001 for 4.6 mm i.d. and 1.51419.0001 for 10 mm i.d.

Column Type	Sorbent	Cat.No.	Contents of one package (pcs)
LiChroCART® 150-4.6	LiChrospher® RP-18e, 5µm	1.50604.0001	1
LiChroCART® 150-4.6	LiChrospher® RP-8e, 5µm	1.50638.0001	1
LiChroCART® 250-4.6	LiChrospher® RP-18e, 5µm	1.50605.0001	1
LiChroCART® 250-4.6	LiChrospher® RP-8e, 5µm	1.50638.0001	1
LiChroCART® 250-10	LiChrospher® RP-18e, 10µm	1.50858.0001	1
LiChroCART® 250-4	LiChrospher® WP RP-18e, 5µm	1.50137.0001	1

## Purospher® STAR

### HPLC columns

Column Type	Sorbent	Cat.No.	Contents of one package (pcs)
Hibar® 150-4.6	Purospher® STAR-18e, 5µm	1.51455.0001	1
Hibar® 150-4.6	Purospher® STAR-8e, 5µm	1.51453.0001	1
Hibar® 250-4.6	Purospher® STAR-18e, 5µm	1.51454.0001	1

### HPLC cartridges

To be mounted with the cartridge holder manu-CART®,  
Cat. No.1.51486.0001 for 4.6 mm i.d. and 1.51419.0001 for 10 mm i.d.

Column Type	Sorbent	Cat.No.	Contents of one package (pcs)
LiChroCART® 150-4.6	Purospher® STAR RP-18e, 5µm	1.50358.0001	1
LiChroCART® 150-4.6	Purospher® STAR RP-8e, 5µm	1.50638.0001	1
LiChroCART® 250-4.6	Purospher® STAR RP-8e, 5µm	1.50032.0001	1
LiChroCART® 250-4.6	Purospher® STAR RP-18e, 5µm	1.50359.0001	1
LiChroCART® 250-10	Purospher® STAR RP-18e, 5µm	1.50257.0001	1

## Purospher® STAR UHPLC

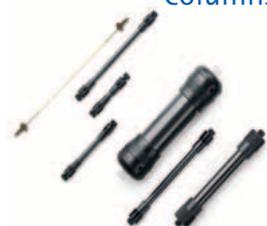
### HPLC columns



Column Type	Sorbent	Cat.No.	Contents of one package (pcs)
Hibar® HR 30-2.1	Purospher® STAR RP-18e, 2µm	1.50645.0001	1
Hibar® HR 30-2.1	Purospher® STAR RP-18e, 3µm	1.50650.0001	1
Hibar® HR 50-2.1	Purospher® STAR RP-18e, 2µm	1.50646.0001	1
Hibar® HR 50-2.1	Purospher® STAR RP-18e, 3µm	1.50651.0001	1

## Chromolith®

### HPLC monolithic columns



Column Type	Sorbent	Cat.No.	Contents of one package (pcs)
Chromolith® Fast Gradient 50-2	Chromolith® RP-18e	1.52007.0001	1
Chromolith® Flash 25-4.6	Chromolith® RP-18e	1.51463.0001	1
Chromolith® Speedrod 50-4.6	Chromolith® RP-18e	1.51450.0001	1
Chromolith® Performance 100-4.6	Chromolith® RP-18e	1.02129.0001	1
Chromolith® Semiprep 100-10	Chromolith® RP-18e	1.52016.0001	1

## SeQuant™ ZIC® HILIC

### HPLC columns

SeQuant™ ZIC® HILIC is your ideal choice for separation of polar and hydrophilic compounds.



Column Type	Sorbent	Cat.No.	Contents of one package (pcs)
ZIC® HILIC 100-2.1	ZIC® HILIC, 200 Å, 3.5µm	1.50447.0001	1
ZIC® HILIC 150-2.1	ZIC® HILIC, 200 Å, 3.5µm	1.50448.0001	1
ZIC® HILIC 150-2.1	ZIC® HILIC, 200 Å, 5µm	1.50454.0001	1
ZIC® HILIC 250-2.1	ZIC® HILIC, 200 Å, 5µm	1.50457.0001	1
ZIC® HILIC 100-4.6	ZIC® HILIC, 200 Å, 5µm	1.50453.0001	1
ZIC® HILIC 150-4.6	ZIC® HILIC, 200 Å, 5µm	1.50455.0001	1
ZIC® HILIC 250-4.6	ZIC® HILIC, 200 Å, 5µm	1.50458.0001	1
ZIC® HILIC 250-10	ZIC® HILIC, 200 Å, 5µm	1.50494.0001	1
ZIC® HILIC 150-21.2	ZIC® HILIC, 200 Å, 5µm	1.50497.0001	1
ZIC® HILIC 100-2.1	ZIC® pHILIC, 5µm	1.50462.0001	1
ZIC® HILIC 150-2.1	ZIC® pHILIC, 5µm	1.50460.0001	1
ZIC® HILIC 100-4.6	ZIC® pHILIC, 5µm	1.50464.0001	1
ZIC® HILIC 150-4.6	ZIC® pHILIC, 5µm	1.50461.0001	1

Suitable guard columns and holder available



Merck Millipore and the M marks are trademarks of Merck KGaA, Darmstadt, Germany. Chromolith, NovaSyn, PyBOP, Purospher, Novabiochem, ZIC-HiLiC, LiChrospher, LiChrosolv, LiChroCART, EMPARTA, EMPLURA are registered trademarks.

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.