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2317	Fmoc-Ser(Bu <sup>t</sup> ) .....	294	2627	Boc-D-Ser(Bzl) .....	289
2318	Fmoc-Thr(Bu <sup>t</sup> ) .....	294	2628	Boc-D-Lys(Cl-Z) .....	289
2319	Fmoc-Trp .....	294	2629	Boc-D-Ile • ½H <sub>2</sub> O .....	289
2320	Fmoc-Tyr(Bu <sup>t</sup> ) .....	294			
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2322	Fmoc-Cys(Acm) .....	292	2702	L-Arginine • HCl .....	297
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2325	Fmoc-Asn(Trt) .....	292	2705	L-Cysteine • HCl • H <sub>2</sub> O .....	297
2326	Fmoc-Gln(Trt) .....	293	2706	L-Cystine .....	297
2327	Fmoc-Trp(Boc) .....	294	2707	L-Glutamine .....	297
2350*	Fmoc-Ala-Cys(Trt) .....	292	2708	L-Glutamic Acid .....	297
2351*	Fmoc-Gly-Cys(Trt) .....	293	2709	Glycine .....	297
2352*	Fmoc-Leu-Cys(Trt) .....	293	2710	L-Histidine • HCl • H <sub>2</sub> O .....	297
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2401	Fmoc-D-Ala • H <sub>2</sub> O .....	295	2712	L-Isoleucine .....	297
2403	Fmoc-D-Asn .....	295	2713	L-Leucine .....	298
2404	Fmoc-D-Asp(OBu <sup>t</sup> ) .....	295	2714	L-Lysine • HCl .....	298
2405	Fmoc-D-Cys(Trt) .....	295	2715	L-Methionine .....	298
2406	Fmoc-D-Gln .....	295	2716	L-Ornithine • HCl .....	298
2407	Fmoc-D-Glu(OBu <sup>t</sup> ) • H <sub>2</sub> O .....	295	2717	L-Phenylalanine .....	298
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2410	Fmoc-D-Leu .....	296	2719	L-Serine .....	298
2411	Fmoc-D-Lys(Boc) .....	296	2720	L-Threonine .....	298
2412	Fmoc-D-Met .....	296	2721	L-Tryptophan .....	298
2413	Fmoc-D-Phe .....	296	2722	L-Tyrosine .....	298
2414	Fmoc-D-Pro .....	296	2723	L-Valine .....	298
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2417	Fmoc-D-Trp .....	296	2802	D-Arginine .....	299
2418	Fmoc-D-Tyr(Bu <sup>t</sup> ) .....	296	2804	D-Glutamic Acid .....	299
2419	Fmoc-D-Val .....	296	2805	D-Histidine .....	299
2420	Fmoc-D-Ile .....	296	2806	D-Leucine .....	299
2421	Fmoc-D-Arg(Pbf) .....	295	2807	D-Methionine .....	299
2422	Fmoc-D-Asn(Trt) .....	295	2808	D-Phenylalanine .....	299
2423	Fmoc-D-Gln(Trt) .....	295	2809	D-Threonine .....	300
2424	Fmoc-D-Trp(Boc) .....	296	2810	D-Tryptophan .....	300
			2811	D-Valine .....	300
2602	Boc-D-Trp .....	289	2812	D-Tyrosine .....	300
2603	Boc-D-Leu • H <sub>2</sub> O .....	289	2813	D-Lysine • HCl .....	299
2604	Boc-D-Phe .....	289	2814	D-Aspartic Acid .....	299
2605	Boc-D-His(Tos) • DCHA .....	289	2815	D-Asparagine • H <sub>2</sub> O .....	299
2606	Boc-D-Ala .....	288	2816	D-Proline .....	299
2608	Boc-D-Met .....	289	2817	D-Cysteine • HCl • H <sub>2</sub> O .....	299
2609	Boc-D-Arg(Tos) .....	288	2818	D-Serine .....	299
2610	Boc-D-Pro .....	289	2819	D-Isoleucine .....	299
2611	Boc-D-Cys(4-CH <sub>3</sub> Bzl) .....	288			
2612	Boc-D-Tyr(Br-Z) .....	290			
2613	Z-D-Pyr .....	291			
2614	Boc-D-Trp(CHO) .....	289			
2616	Boc-D-Asp(OBzl) .....	288			
2617	Boc-D-Asp(OcHex) .....	288			
2619	Boc-D-Val .....	290			

\* New Products

## Numerical Index (continued)

### 3000

3001	Bz-Arg-OEt • HCl [BAEE]	163,213	3089	Dnp-Pro-Gln-Gly	215
3002	Bz-Arg-NH <sub>2</sub> • HCl • H <sub>2</sub> O	163,213	3090	Gly-Pro-MCA	159,165,217
3003	Tos-Arg-OMe • HCl [TAME]	163,227	3091	Leu-MCA	156,165,218
3006	Ac-Phe-OEt	158,206	3092	Bz-Arg-MCA	163,165,213
3008	Ac-Tyr-OEt • H <sub>2</sub> O	158,207	3093	Boc-Val-Pro-Arg-MCA	159,165,213
3009	Ac-Tyr-NH <sub>2</sub>	158,206	3094	Boc-Ile-Glu-Gly-Arg-MCA	159,164,211
3010	Bz-Tyr-OEt	158,214	3095	Z-Phe-Arg-MCA	158,160,166,231
3013	Bz-DL-Arg-pNA • HCl [DL-BAPA]	163,174,213	3096	Pro-Phe-Arg-MCA	160,163,165,223
3014	Leu-pNA	156,174,218	3097	Glt-Gly-Arg-MCA	162,165,216
3015	Bz-Tyr-pNA	158,174,215	3099	AMC	164,208
3016	Z-Tyr-ONp	231	3100	Suc-Ala-Pro-Ala-MCA	159,165,225
3018	Z-Glu-Tyr	158,229	3101	Pyr-MCA	161,165,223
3019	Z-Gly-Leu	229	3102	Boc-Leu-Gly-Arg-MCA	160,163,164,211
3020	Z-Gly-Phe	229	3104	Boc-Val-Leu-Lys-MCA	157,161,164,212
3021	Z-Gly-Phe-NH <sub>2</sub>	229	3105	Boc-Glu-Lys-Lys-MCA	161,164,210
3022	Gly-Leu	217,245	3106	Boc-Leu-Thr-Arg-MCA	159,164,212
3023	Gly-Phe-NH <sub>2</sub>	217,245	3107	Boc-Phe-Ser-Arg-MCA	160,163,164,212
3024	Leu-Gly	218,245	3108	Suc-Gly-Pro-Leu-Gly-Pro-MCA	159,165,226
3025	Leu-Gly-Gly	218,246	3109	Suc-Gly-Pro-MCA	161,165,226
3027	Leu-NH <sub>2</sub> • HCl	156,218	3110	Suc-Arg-Pro-Phe-His-Leu-	
3028	Gly-Gly	217,245		Leu-Val-Tyr-MCA	158,161,162,165,226
3029	Z-Gly-Pro-Leu-Gly-Pro • H <sub>2</sub> O • AcOEt	159,230		Z-Gly-Gly-Leu-pNA	160,174,229
3034	Ac-Trp-OEt	158,206	3111	Boc-Leu-Ser-Thr-Arg-MCA	159,164,212
3037	Z-Gly-Leu-NH <sub>2</sub>	229	3112	Arg-MCA	158,164,209
3039	Z-Gly-Pro-Leu	229	3113	Suc-Ala-Ala-Pro-Phe-MCA	158,165,225
3040	Z-Gly-Pro-Leu-Gly	229	3114	Boc-Glu(OBzl)-Gly-Arg-MCA	164,211
3044	Z-Phe-Tyr	231	3115	Suc-Ala-pNA	174,225
3047	Bz-Gly-Lys [Hippuryl-Lysine]	214	3116	Suc-Ala-Ala-pNA	174,225
3050	Glu(Cys-Gly) [Glutathione; GSH]	217,246	3117	Suc-Ala-Pro-Ala-pNA	159,174,226
3052	Gly-Pro	217,245	3118	Gly-Gly-Tyr-Arg	158,192,217,246
3053	Gly-Phe	217,245	3119	Suc-Leu-Leu-Val-Tyr-MCA	157,158,163,165,227
3054	Tos-Lys-OMe • HCl	163,227	3120	Boc-Gln-Arg-Arg-MCA	160,164,210
3055	Z-Gly-Pro	229	3122	Z-Arg-Arg-MCA	158,165,228
3056	Poly-L-Lysine Hydrobromide	244	3123	Lys-Ala-MCA	159,165,219
3057	Bz-L-Arg-pNA • HCl		3124	Boc-Leu-Ser-Thr-Arg-pNA	159,174,212
	[L-BAPA]	158,163,174,214	3125	Bz-Gly-Ala-Pro [Hippuryl-Alanyl-Proline]	156,214
3058	Ac-Gly-Lys-OMe [AGLME]	162,163,205	3126	Z-Ala-Ala-Leu-pNA	160,162,174,228
3059	Bz-Gly-Arg [Hippuryl-Arginine]	214	3127	Bz-Gly-Gly-Gly [Hippuryl-Gly-Gly]	156,214
3061	Gly-Gly-Gly	217,246	3128	Glt-Ala-Ala-Pro-Leu-pNA	159,174,216
3063	Poly-L-Glutamic Acid Sodium Salt	244	3129	Pyr-Phe-Leu-pNA	158,174,224
3064	Bz-Gly-His-Leu [Hippuryl-Histidyl-Leucine]	156,214	3130	Z-Phe-Tyr-Leu	231
3065	His-Leu	218,245	3131	Lys-MCA	156,165,219
3066	Glu(pNA)	160,174,216	3132	Suc-Ala-Ala-Ala-MCA	159,165,224
3067	Glu-pNA	174,216	3133	Boc-Glu(OBzl)-Ala-Arg-MCA	159,164,210
3068	Ala-pNA	156,174,208	3134	Boc-Gln-Ala-Arg-MCA	163,164,210
3069	Z-Tyr-Glu	231	3135	Boc-Gln-Gly-Arg-MCA	159,164,210
3071	Suc-Ala-Ala-Ala-pNA [STANA]	159,174,225	3136	Z-Pyr-Gly-Arg-MCA	159,166,231
3073	Dnp-Pro-Leu-Gly-Ile-Ala-Gly-Arg-NH <sub>2</sub>	159,215	3138	Boc-Asp(OBzl)-Pro-Arg-MCA	159,164,209
3074	Gly-Pro-pNA • Tos [GPNT]	159,174,218	3139	Boc-Leu-Arg-Arg-MCA	160,163,164,211
3075	Poly-L-Lysine Hydrochloride	244	3140	Boc-Leu-Lys-Arg-MCA	160,164,212
3076	Gly-Gly-His	217,246	3141	Boc-Gly-Arg-Arg-MCA	160,164,211
3078	Ac-Arg-OMe • HCl	163,204	3142	Boc-Gly-Lys-Arg-MCA	160,164,211
3079	Pyr-Ala	161,223,245	3143	Boc-Ala-Gly-Pro-Arg-MCA	164,209
3080	Glu-Glu	216,245	3144	Pyr-Gly-Arg-MCA	162,165,223
3082	Dnp-Pro-Leu-Gly	215	3145	Ac-Tyr-Val-Gly	207
3083	Dnp-Leu-Gly-Ile-Ala-Gly-Arg-NH <sub>2</sub>	215	3146	Ala-MCA	156,164,208
3084	Bz-Ala-OMe	213	3147	Phe-MCA	156,165,222
3085	β-Alanyl-L-Histidine [Carnosine]	208,244	3148	Met-MCA	156,165,219
3087	Dnp-Pro-Gln-Gly-Ile-Ala-Gly-Gln-d-Arg	159,215	3149	Suc-Ile-Ile-Trp-MCA	158,165,226
3088	Dnp-Gln-Gly-Ile-Ala-Gly-Gln-d-Arg	215	3150		

## Numerical Index (continued)

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3151	Boc-Gln-Pro	210	3204	Ac-Val-Asp-Val-Ala-Asp-H (aldehyde)	157,181
3152	Met-Met	219,245	3207	Ubiquitin Aldehyde	163,199
3153	Suc(OMe)-Ala-Ala-Pro-Val-MCA	159,165,224	3208	Z-Gly-Pro-Arg-MCA	158,165,229
3154	Glt-Ala-Ala-Phe-MCA	158,165,216	3209	Z-Ala-Ala-Asn-MCA	165,227
3155	Boc-Arg-Val-Arg-Arg-MCA	160,164,209	3210	Z-Leu-Arg-MCA	158,165,230
3156	Z-Val-Lys-Met-MCA	163,166,231	3211	Z-Val-Val-Arg-MCA	158,166,231
3157	Z-Arg-OBzI( <i>p</i> -NO <sub>2</sub> ) • HBr	228	3212	MOCAc-Ser-Glu-Val-Asn-Leu-Asp-Ala-Glu-Phe-Arg-Lys(Dnp)-Arg-Arg-NH <sub>2</sub>	162,166,221
3158	Suc-Ile-Ala-MCA	165,226	3214	SUAM-14746	161,198
3159	Pyr-Arg-Thr-Lys-Arg-MCA	160,165,223	3215	Z-His-Glu-Lys-MCA	160,165,230
3160	Suc-Ala-Glu-MCA	163,165,225	3216	MOCAc-Ala-Pro-Ala-Lys-Phe-Phe-Arg-Leu-Lys(Dnp)-NH <sub>2</sub>	161,166,219
3161	Ac-Tyr-Val-Ala-Asp-MCA	157,164,207	3217	Nma-Gly-Gly-Val-Val-Ile-Ala-Thr-Val-Lys(Dnp)-D-Arg-D-Arg-D-Arg-NH <sub>2</sub>	162,166,222
3162	Suc-Ala-Leu-Pro-Phe- <i>p</i> NA	158,161,174,225	3218	(Z-Leu-Leu-NHCH <sub>2</sub> ) <sub>2</sub> CO	162,201
3163	MOCAc-Pro-Leu-Gly-Leu-A <sub>2</sub> pr(Dnp)-Ala-Arg-NH <sub>2</sub>	159,166,221	3219	(3,5-Difluorophenylacetyl)-Ala-Phg-OBu <sup>t</sup>	162,187
3164	MOCAc-Pro-Leu-Gly	166,221	3220	Ac-Asp-Asn-Leu-Asp-MCA	157,164,204
3165	Ac-Tyr-Val-Ala-Asp-H (aldehyde)	157,180	3221	Ac-Asp-Asn-Leu-Asp-H (aldehyde)	157,178
3166	Ac-Tyr-Val-Lys-Asp-H (aldehyde)	157,181	3222	Suc-d-Asp-MCA	156,165,226
3167	MOCAc-Arg-Pro-Lys-Pro-Tyr-Ala-Nva-Trp-Met-Lys(Dnp)-NH <sub>2</sub> [NFF-2]	159,166,220	3223	Bz-Arg-His-d-Asp-CH <sub>2</sub> Cl	156,186
3168	MOCAc-Arg-Pro-Lys-Pro-Val-Glu-Nva-Trp-Arg-Lys(Dnp)-NH <sub>2</sub> [NFF-3]	159,166,220	3224	FRETs-VWF73	156,166,216
3169	Z-Ile-Glu(OBu <sup>t</sup> )-Ala-Leu-H (aldehyde) [PSI]	163,200	3225	MOCAc-Gly-Ser-Pro-Ala-Phe-Leu-Ala-Lys(Dnp)-D-Arg-NH <sub>2</sub>	158,166,220
3170	Z-Leu-Leu-Nva-H (aldehyde) [MG-115]	163,201	3226	MOCAc-Lys-Pro-Leu-Gly-Leu-A <sub>2</sub> pr(Dnp)-Ala-Arg-NH <sub>2</sub>	156,159,166,221
3171	Ac-Asp-Glu-Val-Asp-MCA	157,164,205	3227*	Ac-Glu-Ser-Glu-Asn-MCA	164,205
3172	Ac-Asp-Glu-Val-Asp-H (aldehyde)	157,178	3228*	Pyr-Pro-Val- <i>p</i> NA	159,174,224
3173	Biotinyl-Asp-Glu-Val-Asp-H (aldehyde)	157,185,239	3229*	Nma-Ile-His-Pro-Phe-His-Leu-Val-Ile-His-Thr-Lys(Dnp)-D-Arg-D-Arg-NH <sub>2</sub>	162,166,222
3174	Z-Asp-CH <sub>2</sub> -DCB	157,199	3401*	TMRIA-K4	240
3175	Z-Leu-Leu-Leu-H (aldehyde) [MG-132]	158,163,200	3402*	Biotinyl- $\omega$ -Agatoxin IVA	7,239
3176	Z-Leu-Arg-Gly-Gly-MCA	163,165,230	3504	Thermolysin	243
3177	Z-Leu-Leu-Leu-MCA	163,166,230	3701	FRETs-25Ala	235
3178	Z-Leu-Leu-H (aldehyde)	157,200	3702	FRETs-25Arg	235
3179	Z-Leu-Leu-Glu-MCA	163,166,230	3703	FRETs-25Asn	235
3180	Ac-Tyr-Val-Ala-Asp-CH <sub>2</sub> Cl	157,180	3704	FRETs-25Asp	235
3181	Ac-Val-Glu-Ile-Asp-MCA	157,164,207	3705	FRETs-25Gln	235
3182	Ac-Val-Glu-Ile-Asp-H (aldehyde)	157,181	3706	FRETs-25Glu	235
3183	MOCAc-Tyr-Val-Ala-Asp-Ala-Pro-Lys(Dnp)-NH <sub>2</sub>	157,166,222	3707	FRETs-25Gly	235
3184	MOCAc-Asp-Glu-Val-Asp-Ala-Pro-Lys(Dnp)-NH <sub>2</sub>	157,166,220	3708	FRETs-25His	236
3185	Ac-Lys-Thr-Lys-Gln-Leu-Arg-MCA	160,164,206	3709	FRETs-25Ile	236
3186	Ac-Trp-Glu-His-Asp-MCA	157,164,206	3710	FRETs-25Leu	236
3187	Ac-Trp-Glu-His-Asp-H (aldehyde)	157,180	3711	FRETs-25Lys	236
3188	Z-Val-Ala-Asp-(OMe)-CH <sub>2</sub> F	157,201	3712	FRETs-25Met	236
3189	Z-Glu-Lys(Biotinyl)-Asp-CH <sub>2</sub> -DMB	157,199	3713	FRETs-25Phe	236
3190	Z-Gln-Gly	162,228	3714	FRETs-25Pro	236
3192	Ac-Asp-Met-Gln-Asp-H (aldehyde)	157,179	3715	FRETs-25Ser	237
3193	Ac-Asp-Gln-Thr-Asp-MCA	157,164,204	3716	FRETs-25Thr	237
3194	Ac-Asp-Gln-Thr-Asp-H (aldehyde)	157,178	3717	FRETs-25Trp	237
3195	Ac-Ile-Glu-Thr-Asp-MCA	157,164,205	3718	FRETs-25Tyr	237
3196	Ac-Ile-Glu-Thr-Asp-H (aldehyde)	157,179	3719	FRETs-25Val	237
3197	4-Methoxyphenylazofomyl-Phe [AAFP]	157,219	3720	FRETs-25-STD1	238
3198	Ac-Leu-Glu-His-Asp-MCA	157,164,206	3721	FRETs-25-STD2	238
3199	Ac-Leu-Glu-His-Asp-H (aldehyde)	157,179			
3200	MOCAc-Gly-Lys-Pro-Ile-Leu-Phe-Phe-Arg-Leu-Lys(Dnp)-D-Arg-NH <sub>2</sub>	158,166,220			
3201	Ala-Ala-Phe-MCA	162,164,208			
3202	Ala-Ala-Phe-CH <sub>2</sub> Cl [AAF-CMK]	158,162,182			
3203	Ac-Val-Asp-Val-Ala-Asp-MCA	157,164,207			

\* New Products

## Numerical Index-(continued)

### 4000

4001	Angiotensin II (Human) .....	15	4080	Dynorphin A (Human, 1-13) .....	56
4002	Bradykinin .....	25	4082	Phosphoramidon .....	160,198,258
4003	Eledoisin Related Peptide .....	57	4083	CCK-Tetrapeptide (30-33) .....	36,246
4004	Gastrin Related Peptide .....	68	4084	Oxytocin .....	117
4005	(Pro-Pro-Gly) <sub>5</sub> • xH <sub>2</sub> O .....	244	4085	[Arg <sup>8</sup> ]-Vasopressin .....	150
4006	(Pro-Pro-Gly) <sub>10</sub> • xH <sub>2</sub> O .....	244	4086	Bombesin .....	24
4007	Angiotensin I (Human) .....	15	4087	CCK-Octapeptide (Non-Sulfated Form) [CCK-8 (Non-Sulfated Form)] .....	36
4008	Lysyl-Bradykinin .....	28	4088	Insulin (Human) .....	84
4009	Bradykinin-Potentiator B .....	26,156,183	4089	γ-Endorphin [β-Lipotropin (61-77)] .....	58
4010	Bradykinin-Potentiator C .....	27,156,183	4090	α-Neo-Endorphin (Porcine) .....	100
4011	TRH [Thyrotropin Releasing Hormone] .....	147,246	4091	β-Neo-Endorphin (Porcine) .....	100
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4016	[Sar <sup>1</sup> ,Ile <sup>8</sup> ]-Angiotensin II .....	15,17	4096	E-64 .....	157,158,189
4020	Tuftsin .....	147,246	4097	Des-Pro <sup>2</sup> -Bradykinin .....	28,156,183
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4023	Somatostatin .....	141	4100	CCK-Octapeptide (Sulfated Form) [CCK-8 (Sulfated Form)] .....	36
4024	MSH-Release Inhibiting Factor .....	94,246			
4025	[Asu <sup>1,6</sup> ]-Oxytocin .....	117	4101	[D-Trp <sup>8</sup> ]-Somatostatin .....	141
4026	[Asu <sup>1,6</sup> ,Arg <sup>8</sup> ]-Vasopressin .....	150	4102	[Sar <sup>1</sup> ,Thr <sup>8</sup> ]-Angiotensin II .....	15,17
4027	[Asu <sup>1,6</sup> ,Arg <sup>8</sup> ]-Vasotocin .....	151	4106	Parathyroid Hormone (Human, 13-34) .....	119
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4029	Neurotensin .....	110	4108	Dynorphin A (Human) .....	56
4030	Physalaemin .....	125	4109	ACTH (Human, 1-24) .....	2
4031	Adjuvant Peptide .....	2,258	4110	VIP (Human, Porcine) .....	150
4032	(Pro-Hyp-Gly) <sub>5</sub> • xH <sub>2</sub> O .....	244	4111	CRF (Ovine) .....	43
4033	(Pro-Hyp-Gly) <sub>10</sub> • xH <sub>2</sub> O .....	244	4112	Secretin (Porcine) .....	139
4034	[Val <sup>5</sup> ]-Angiotensin II .....	15,17	4113	[D-Pro <sup>2</sup> ,D-Trp <sup>7,9</sup> ]-Substance P .....	145
4035	[Sar <sup>1</sup> ,Ala <sup>8</sup> ]-Angiotensin II .....	15,17	4114	[D-Pro <sup>4</sup> ,D-Trp <sup>7,9</sup> ]-Substance P (4-11) .....	145
4036	[Asn <sup>1</sup> ,Val <sup>5</sup> ]-Angiotensin II .....	15,16	4115	[D-Ala <sup>2</sup> ,D-Leu <sup>5</sup> ]-Enkephalin .....	64
4037	Des-Asp <sup>1</sup> -[Ile <sup>8</sup> ]-Angiotensin II .....	15,18	4116	[D-Ala <sup>2</sup> ,Met <sup>5</sup> ]-Enkephalin .....	64
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