Products of Peptides International, Inc.

Manufacturer:
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FAX: +81-(0)72-729-4124
E-mail: info@peptide.co.jp
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<th>Price-Yen</th>
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CLEAR products are protected under US Patents 5,910,554 and 5,656,707 granted to the Regents of the University of Minnesota.
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<td>CFW-1246-PI</td>
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<td>5 g 35,000</td>
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CLEAR RESINS

CLEAR resins (Cross-Linked Ethoxylate Acrylate Resins) were developed by George Barany and Maria Kempe at the University of Minnesota. These products retain the highly desirable solvation properties of polyethylene glycol (PEG) and PEG-linked products but can be handled with infinitely greater convenience. Unlike conventional liquid phase synthesis, developed by Bayer and Mutter in the 1970s and recently popularized by Janda in combinatorial synthesis, CLEAR resins are highly cross-linked. They are produced in a bead form employing a large-scale suspension polymerization process developed at Peptides International. The CLEAR particles swell in a wide range of solvents including water, methylene chloride, or DMF. They are also compatible with relatively non-polar solvents such as THF or dioxane. Synthesis can be performed on CLEAR in automated or manual synthesizers. Many other uses are possible with this exciting new product: In organic synthesis. In affinity chromatography. In enzyme immobilization. In trace analysis. In remote sensor applications. CLEAR may be the resin to consider in your research.

Swelling properties of CLEAR - Base Resin

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<th>Solvent</th>
<th>Bed volume (ml) of 1 g of resin</th>
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<tr>
<td>DMF</td>
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<td>THF</td>
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<tr>
<td>MeOH</td>
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<td>H₂O</td>
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<td></td>
<td>Divinylbenzene 1%, 200-400 mesh</td>
<td>25 g</td>
</tr>
<tr>
<td></td>
<td>NH2: 0.3-0.6 meq / g</td>
<td></td>
</tr>
<tr>
<td>RWN-1399-PI</td>
<td>Wang Resin</td>
<td>5 g</td>
</tr>
<tr>
<td></td>
<td>p-Alkoxybenzyl Alcohol Resin</td>
<td>25 g</td>
</tr>
<tr>
<td>RWN-1398-PI</td>
<td>Wang Resin</td>
<td>5 g</td>
</tr>
<tr>
<td></td>
<td>p-Alkoxybenzyl Alcohol Resin</td>
<td>25 g</td>
</tr>
<tr>
<td>RCT-1056-PI</td>
<td>2-Chlorotrityl Chloride Resin</td>
<td>5 g</td>
</tr>
<tr>
<td></td>
<td>Divinylbenzene 1%, 100-200 mesh</td>
<td>25 g</td>
</tr>
<tr>
<td>RCT-1083-PI</td>
<td>2-Chlorotrityl Chloride Resin</td>
<td>5 g</td>
</tr>
<tr>
<td></td>
<td>Divinylbenzene 1%, 200-400 mesh</td>
<td>25 g</td>
</tr>
<tr>
<td>Code</td>
<td>Compound</td>
<td>Price: Yen</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>PUT-3639-PI</td>
<td><strong>Urotensin II Agonist and Antagonist</strong></td>
<td>1 mg</td>
</tr>
<tr>
<td></td>
<td><strong>Urantide™</strong> [Pen⁵, o-Trp⁷, Orn⁸]-Urotensin II (Human, 4-11)</td>
<td>25,000</td>
</tr>
<tr>
<td></td>
<td>Asp-Pen-Phe-o-Trp-Orn-Tyr-Cys-Val</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Disulfide bond between Pen²-Cys⁷)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Pen: Penicillamine)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(M.W. 1075.3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C₅₁H₆₆N₁₀O₁₂S₂</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Potent Urotensin II Receptor Antagonist</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• This product is sold under exclusive licence granted to Peptides International, Inc.</td>
<td></td>
</tr>
</tbody>
</table>

| PUT-3640-PI  | **Asp-Pen-Phe-Trp-Lys-Tyr-Cys-Val**            | 1 mg       |
|              | [Pen⁵]-Urotensin II (Human, 4-11)             | 25,000     |
|              | Asp-Pen-Phe-Trp-Lys-Tyr-Cys-Val               |            |
|              | (Disulfide bond between Pen²-Cys⁷)            |            |
|              | (Pen: Penicillamine)                         |            |
|              | (M.W. 1089.3)                               |            |
|              | C₅₂H₆₈N₁₀O₁₂S₂                               |            |
|              | Potent Urotensin II Receptor Agonist          |            |
|              | • This product is sold under exclusive licence granted to Peptides International, Inc. | |

| IDP-3655-PI  | **DPP II Inhibitor**                         | 5 mg       |
|              | **Dab-Pip**                                  | 7,000      |
|              | 1-2,4-Diaminobutyric acid piperidide          |            |
|              | (M.W. 185.27)                               |            |
|              | C₉H₁₉N₃O                                  |            |
|              | Selective Inhibitor for Dipeptidyl Peptidase II (DPP II) | |
***** MMP Inhibitors *****

<table>
<thead>
<tr>
<th>Code</th>
<th>Compound</th>
<th>Price/Yen</th>
</tr>
</thead>
</table>
| INH-3850-PI | TAPI-0  
HONHCOCH₂(CH₂-CH(CH₃)₂)CO-Nal-Ala-NH₂  
N-(R)-(2-(Hydroxyaminocarbonyl)methyl)-4-methylpentanoyl-L-3-(2'-naphthyl)alanin-L-alanine amide  
(M.W. 456.53)  
C₂₄H₃₂N₄O₅ | Vial 1 mg 25,000 |


<table>
<thead>
<tr>
<th>Code</th>
<th>Compound</th>
<th>Price/Yen</th>
</tr>
</thead>
</table>
| INH-3855-PI | TAPI-1  
HONHCOCH₂(CH₂-CH(CH₃)₂)CO-Nal-Ala-NHC₂H₂NH₂  
N-(R)-(2-(Hydroxyaminocarbonyl)methyl)-4-methylpentanoyl-L-3-(2'-naphthyl)alanin-L-alanine 2-aminoethyl amide  
(M.W. 499.60)  
C₂₆H₃₇N₅O₅ | Vial 1 mg 25,000 |


<table>
<thead>
<tr>
<th>Code</th>
<th>Compound</th>
<th>Price/Yen</th>
</tr>
</thead>
</table>
| INH-3852-PI | TAPI-2  
HONHCOCH₂(CH₂-CH(CH₃)₂)CO-L-Leu-Ala-NHC₂H₂NH₂  
N-(R)-(2-(Hydroxyaminocarbonyl)methyl)-4-methylpentanoyl-L-L-3-(2'-naphthyl)alanin-L-alanine 2-aminoethyl amide  
(M.W. 415.53)  
C₁₉H₃₇N₅O₅ | Vial 1 mg 25,000 |

<table>
<thead>
<tr>
<th>Code</th>
<th>Compound</th>
<th>Price: Yen</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDP-3818-PI</td>
<td>Abz-Leu-Ala-Gln-Ala-Val-Arg-Ser-Ser-Arg-Asp(Dnp)-NH₂</td>
<td>15,000</td>
</tr>
</tbody>
</table>

2-Aminobenzoyl-L-leucyl-L-alanyl-L-glutaminyl-L-alanyl-L-valyl-L-arginyl-L-seryl-L-seryl-L-seryl-L-arginyl-\( \text{N}\beta-(2,4-dinitrophenyl)-L-2,3-diaminopropionamide\)

(M.W. 1444.5) \( \text{C}_{59}\text{H}_{93}\text{N}_{23}\text{O}_{20} \)

Fluorescence-Quenching Substrate for ADAM17/
Tumor Necrosis Factor-α Converting Enzyme

### Amino Acid Derivatives (mini-PEG™)

<table>
<thead>
<tr>
<th>Code</th>
<th>Compound</th>
<th>Price: Yen</th>
<th>1 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>BXX-5519-PI</td>
<td><strong>Boc-8-Amino-3,6-Dioxoactanoic Acid • DCHA</strong>&lt;br&gt;8-(Boc-amino)-3,6-dioxoaactanoic acid • DCHA <strong>Boc-mini-PEG™ / Boc-AEEA</strong>&lt;br&gt;8-t-Butyloxycarbonylamino-3,6-dioxoaactanoic acid dicyclohexylamine&lt;br&gt;(M.W. 263.29 • 181.32) C₁₁H₂₁NO₆ • C₁₂H₂₃N</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>BXX-5523-PI</td>
<td><strong>Boc-11-Amino-3,6,9-Trioxaundecanoic Acid • DCHA</strong>&lt;br&gt;11-(Boc-amino)-3,6,9-trioxaundecanoic acid • DCHA <strong>Boc-mini-PEG-3™ / Boc-AEEEA</strong>&lt;br&gt;11-t-Butyloxycarbonylamino-3,6,9-trioxaundecanoic acid dicyclohexylamine&lt;br&gt;(M.W. 307.34 • 181.32) C₁₃H₂₅NO₇ • C₁₂H₂₃N</td>
<td>30,000</td>
<td></td>
</tr>
<tr>
<td>FXX-5521-PI</td>
<td><strong>Fmoc-8-Amino-3,6-Dioxoactanoic Acid</strong>&lt;br&gt;8-(Fmoc-amino)-3,6-dioxoactanoic acid <strong>Fmoc-mini-PEG™ / Fmoc-AEEA</strong>&lt;br&gt;8-Fluorenylmethoxycarbonylamino-3,6-dioxoaactanoic acid&lt;br&gt;(M.W. 385.41) C₂₁H₂₃NO₆</td>
<td>19,800</td>
<td></td>
</tr>
<tr>
<td>FXX-5524-PI</td>
<td><strong>Fmoc-11-Amino-3,6,9-Trioxaundecanoic Acid (Syrup)</strong>&lt;br&gt;11-(Fmoc-amino)-3,6,9-trioxaundecanoic acid <strong>Fmoc-mini-PEG-3™ / Fmoc-AEEEA</strong>&lt;br&gt;11-Fluorenylmethoxycarbonylamino-3,6,9-trioxaundecanoic acid&lt;br&gt;(M.W. 429.47) C₂₃H₂₇NO₇</td>
<td>35,000</td>
<td></td>
</tr>
</tbody>
</table>