



MT Trading Co., Ltd.

International Sales division : SMTY Bill 8F, 6-5-3, Nishinakajima, Yodogawa, Osaka, Japan, 532-0011

COUPLING AGENT

| SR NO | PRODUCT NAME | STRUCTURE |
|-------|---|-----------|
| 1 | HOBt 1-Hydroxybenzotriazole Molecular weight: -135.12 g/mol Molecular formula:-C ₆ H ₅ N ₃ O Application:-Peptide synthesis CAS # 2592-95-2 | |
| 2 | CL-HOBt 6-Chloro-1-hydroxybenzotriazole Molecular Weight:- 169.57 g/mol Molecular Formula:- C ₆ H ₄ ClN ₃ O Application:-Is a reagent to suppress racemization CAS # 26198-19-6 | |
| 3 | HOAT 1-Hydroxy-7-azabenzotriazole Molecular Weight:- 136.114 g/mol Molecular Formula:- C ₅ H ₄ N ₄ O Application:-Peptide coupling reagent. CAS # 39968-33-7 | |
| 4 | TPTDP, PyClock (6-Chloro-1H-benzotriazole-1-yloxy)tripyrrolidinophosphonium Hexafluorophosphate Molecular Weight:-442.28 g/mol. Molecular Formula:- C ₁₈ H ₂₇ ClF ₆ N ₆ O ₂ Application:-Peptide synthesis CAS # 893413-42-8 | |
| 5 | PYBOP (benzotriazol-1-yloxy)tripyrrolidinophosphonium hexafluorophosphate Molecular Weight:-520.39 g/mol Molecular Formula:- C ₁₈ H ₂₈ F ₆ N ₆ O ₂ Application:-Analogue of the BOP coupling reagent CAS # 128625-52-5 | |



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| 6 | <p>PyAOP (3-Hydroxy-3H-1,2,3-triazolo[4,5-b]pyridinato-O)tri-1-pyrrolidinyl-phosphorus hexafluorophosphate Molecular Weight:-521.38 g/mol Molecular Formula:-C17H27F6N7OP2 Application:- Peptide synthesis CAS # 156311-83-0</p> | |
| 7 | <p>HBpipU O-Benzotriazol-1-yl-N,N,N',N'-bis(pentamethylene) Uronium Hexafluorophosphate Molecular Weight:-459.36 Molecular Formula:-C17H24F6N5OP Application:-Coupling reagent for solid-phase peptide synthesis CAS # 206752-41-2</p> | |
| 8 | <p>HBPyU O-(Benzotriazole-1-yl)-N,N,N',N'-bis(tetramethylene)uroniumhexafluorophosphate Molecular Weight:-431.32 g/mol Molecular Formula:-C15H20F6N5OP Application:-Reagent for peptide coupling CAS # 105379-24-6</p> | |
| 9 | <p>HBTU O-(1H-Benzotriazole-1-yl)-N,N,N',N'-tetramethyl uranium hexafluorophosphate Molecular Weight:-379.24 g/mol Molecular Formula:-C11H16F6N5OP Application:-Coupling reagent for solid-phase peptide synthesis CAS # 94790-37-1</p> | |



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| 10 | <p>HATU 2-(1H-7-Azabenzotriazole-1-yl)-1,1,3,3-tetramethyl uranium hexafluorophosphate Molecular Weight:-380.23 Molecular Formula:-C₁₀H₁₅N₆O.F₆P Application:- Peptide synthesis CAS # 148893-10-1</p> | |
| 11 | <p>HCTU O-(1H-6-Chlorobenzotriazole-1-yl)-1,1,3,3-tetramethyluronium hexafluorophosphate Molecular Weight:- 413.69 g/mol Molecular Formula:- C₁₁H₁₅ClF₆N₅OP Application:-Aminium coupling reagent used in peptide synthesis CAS # 330645-87-9</p> | |
| 12 | <p>BOP (Benzotriazol-1-yloxy)tris(dimethylamino)phosphoniumhexafluorophosphate Molecular Weight:-442.281 g/mol Molecular Formula:-C₁₂H₂₂F₆N₆OP₂ Application:- Peptide synthesis CAS # 56602-33-6</p> | |
| 13 | <p>AOP 7-Azabenzotriazol-1-yloxytris(dimethylamino)phosphoniumhexafluorophosphate Molecular Weight:-443.27 g/mol Molecular Formula:-C₁₁H₂₁F₆N₇OP₂ Application:- Peptide synthesis CAS # 156311-85-2</p> | |



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| 14 | TBTU O-(Benzotriazol-1-yl)-N,N,N',N'-tetramethyluroniumtetrafluoroborate Molecular Weight:-321.08 g/mol Molecular Formula:-C ₁₁ H ₁₆ BF ₄ N ₅ O Application:-Solid-phase peptide synthesisCAS # 125700-67-6 | |
| 15 | TATU O-(7-Azabenzotriazole-1-yl)-N,N,N',N'-tetramethyl uroniumtetra fluoroborate Molecular Weight:-322.09 Molecular Formula:-C ₁₀ H ₁₅ BF ₄ N ₆ O Application:-Coupling reagent for peptide synthesis.CAS # 873798-09-5 | |
| 16 | TCTU O-(6-Chlorobenzotriazol-1-yl)-N,N,N',N'-tetramethyl uroniumtetra fluoroborate Molecular Weight:-355.53 g/mol Molecular Formula:-C ₁₁ H ₁₅ BClF ₄ N ₅ O Application:-Coupling reagent for peptide synthesis CAS # 330641-16-2 | |
| 17 | Oxyrna Ethyl (hydroxyimino)cianoacetate Molecular Weight:- 142,11 g/mol Molecular Formula:-C ₅ H ₆ N ₃ O ₃ Application:-Coupling reagent for peptide synthesis CAS # 3849-21-6 | |



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| 18 | <p>COMU (1-Cyano-2-ethoxy-2-oxoethylidenaminoxy)dimethylaminomorpholino- carbenium Hexafluorophosphate Molecular Weight:-428.26 g/mol Molecular Formula:-C₁₂H₁₉F₆N₄O₄P Application:- Peptide synthesis CAS # 1075198-30-9</p> | |
| 19 | <p>K-Oxyma Ethyl (hydroxyimino)cyanoacetate potassium salt Molecular Weight:-180.21 g/mol Molecular Formula:-C₅H₅KN₂O₃ Application:- Peptide synthesis CAS # 158014-03-0</p> | |
| 20 | <p>TOTU O-[(Ethoxycarbonyl)cyanomethylenamino]-N,N,N',N'-tetramethyluronium tetrafluoroborate Molecular Weight:-328.07 Molecular Formula:-C₁₀H₁₇BF₄N₄O₃ Application:- Peptide synthesis CAS # 136849-72-4</p> | |
| 21 | <p>PyOxim (Ethyl cyano(hydroxyimino)acetato)-tri-(1-pyrrolidinyl)-phosphoniumhexafluorophosphate Molecular Weight:-527.39 g/mol Molecular Formula:-C₁₇H₂₉F₆N₅O₃P₂ Application:- Peptide synthesis CAS # 153433-21-7</p> | |



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| 22 | HOSU N-Hydroxysuccinimide Molecular Weight:-115.09 g/mol Molecular Formula:-C ₄ H ₅ NO ₃ Application:- Peptide synthesis CAS # 6066-82-6 | |
| 23 | TSTU N,N,N',N'-Tetramethyl-O-(Nsuccinimidyl)uroniumtetrafluoroborate Molecular Weight:-301.05 g/mol Molecular Formula:-C ₉ H ₁₆ BF ₄ N ₃ O ₃ Application:- Peptide synthesis CAS # 105832-38-0 | |
| 24 | DSC N,N'-Disuccinimidyl carbonate Molecular Weight:-256.17 g/mol Molecular Formula:-C ₉ H ₈ N ₂ O ₇ Application:- Peptide synthesis CAS #74124-97-1 | |
| 25 | Succinimidylcyanoacetate Molecular Weight:-182.13 g/mol Molecular Formula:- C ₇ H ₆ N ₂ O ₄ Application:- Peptide synthesis CAS # 56657-76-2 | |
| 26 | Fmoc-OSu N-(9-Fluorenylmethoxycarbonyloxy)succinimide, Molecular Weight:-337.33. Molecular Formula:- C ₁₉ H ₁₅ NO ₅ Application:-peptide synthesis CAS # 82911-69-1 | |



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| 27 | N-(2-Chlorobenzoyloxycarbonyloxy)succinimide Molecular Weight:- 283.67 g/mol Molecular Formula:-C ₁₂ H ₁₀ ClNO ₅ Application:- solid-phase peptide synthesis CAS # 65853-65-8 | |
| 28 | N-Succinimidyl 2-naphthoxyacetate Molecular Weight:- 299.28 g/mol Molecular Formula:-C ₁₆ H ₁₃ NO ₅ Application:-Reagent for derivatization of amino acids and peptides. CAS # 81012-92-2 | |
| 29 | N-SuccinimidylTrifluoroacetate Molecular Weight:- 211.10 g/mol Molecular Formula:-C ₆ H ₄ F ₃ NO ₄ Application:- Formation of succinimidyl esters CAS # 5672-89-9 | |
| 30 | (EDAC.HCl) 1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride Molecular Weight:- 191.70 g/mol Molecular Formula:-C ₈ H ₁₇ N ₃ ·HCl Application:-Coupling Agent for Peptides Synthesis] CAS # 25952-53-8 | |
| 31 | 1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide methiodide Molecular Weight:-297.18 g/mol Molecular Formula:-C ₉ H ₂₀ N ₃ •I Application:-water-soluble carboxyl modifying reagent for proteins CAS # 22572-40-3 | |



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| 32 | 1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide Molecular Weight:- 191.7 g/mol Molecular Formula:-C ₈ H ₁₈ ClN ₃ Application:-Coupling Agent for Peptides Synthesis CAS # 1892-57-5 | |
| 33 | N,N'-Di-tertbutylcarbodiimide Molecular Weight:-154.25. Molecular Formula:-C ₉ H ₁₈ N ₂ Application:-Is an antifouling agent. CAS # 691-24-7 | |
| 34 | 1-t-Butyl-3-ethylcabodiimide Molecular Weight:-126.2g/mol Molecular Formula:-C ₇ H ₁₄ N ₂ Application:-Peptide synthesis CAS # 1433-27-8 | |
| 35 | N,N'-Di-sec-Butylcarbodiimide Molecular Weight:-154.25g/mol Molecular Formula:- C ₉ H ₁₈ N ₂ Application:- polymerisation inhibitor CAS # 66006-67-5 | |
| 36 | N,N'-Diisopropylcarbodiimide Molecular Weight:- 126.2 g/mol Molecular Formula:- C ₇ H ₁₄ N ₂ Application:-Coupling reagent for peptide syntheses CAS # 693-13-0 | |
| 37 | N,N'-Dicyclohexylcarbodiimide Molecular Weight:- 206.33 g/mol Molecular Formula:- C ₁₃ H ₂₂ N ₂ Application:-Peptide synthesis CAS # 538-50-0 | |