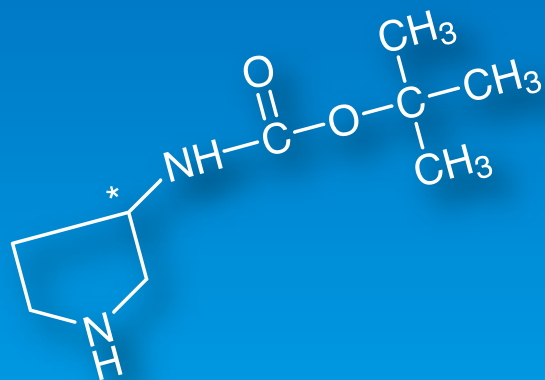
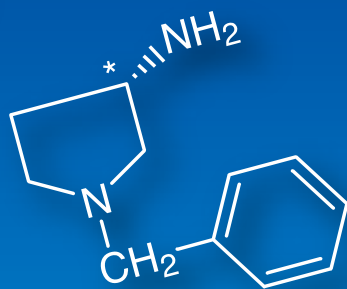
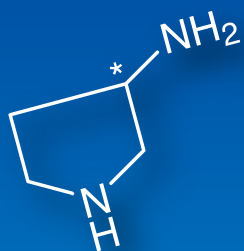


3-アミノピロリジン

3-Aminopyrrolidines



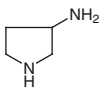
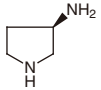
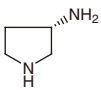
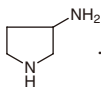
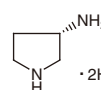
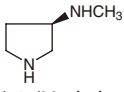
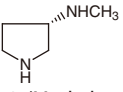
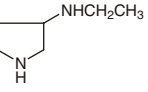
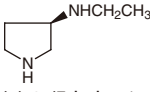
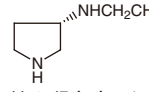
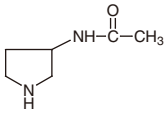
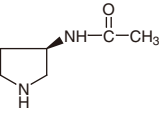
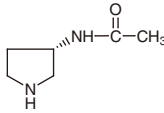
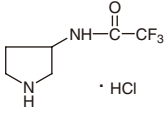
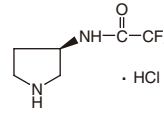
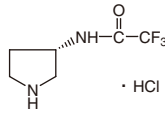
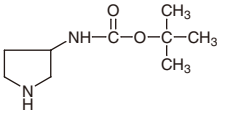
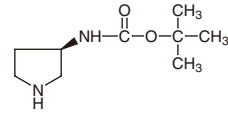
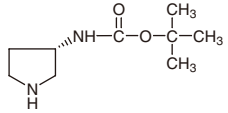
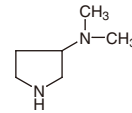
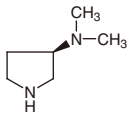
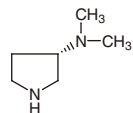
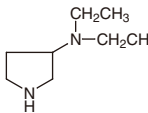
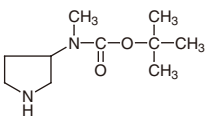
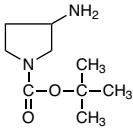
3-アミノピロリジン

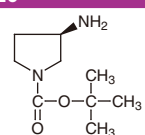
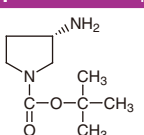
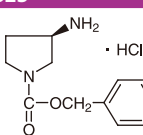
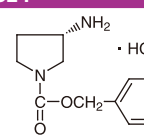
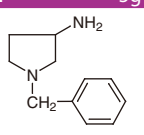
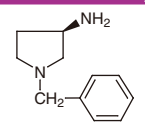
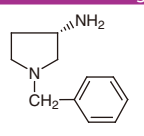
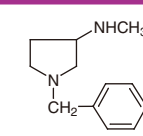
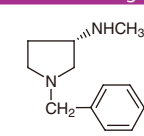
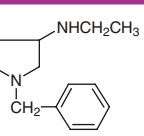
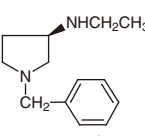
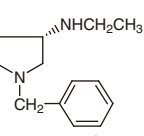
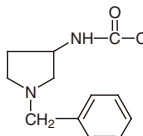
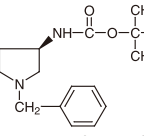
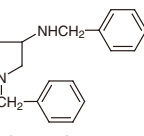
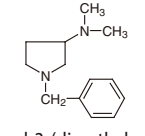
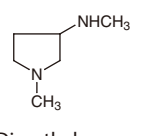
3-アミノピロリジンは医薬、農業などの生理活性物質の重要な構成要素の一つとして用いられ、例えば、4-キノロンカルボン酸系抗菌剤では3-アミノピロリジンの導入が薬効に大きな影響を与えています。また、3-アミノピロリジンは不斉炭素を有しており、導入した3-アミノピロリジンの絶対配置と薬効の関係も盛んに研究されています。弊社では独自の技術により、いち早く光学活性体の製品化に着手し、量産化に成功しております。

3-アミノピロリジンは分子内に二つのアミノ基を有しており、求電子剤との反応によりジ置換体と二種類のモノ置換体を生成します。そのため、3-アミノピロリジンを導入する際は反応させたくないアミノ基を保護する必要があります。弊社では汎用的な保護基であるベンジル基やBoc基などで一方のアミノ基を保護したモノ保護3-アミノピロリジンを数多く取り揃えております。

文 献

- 東京化成工業(株), 特開平2-218664(1990).
 東京化成工業(株), 特開昭63-41453(1988).
 東京化成工業(株), 特開昭63-41452(1988).
 東京化成工業(株), Eur. Pat. 218249 (1987).
 M. A. Youngman, J. J. McNally, T. W. Lovenberg, A. B. Reitz, N. M. Willard, D. H. Nepomuceno, S. J. Wilson, J. J. Crooke, D. Rosenthal, A. H. Vaidya, S. L. Dax, *J. Med. Chem.* **2000**, 43, 346.
 J. P. Sanchez, R. D. Gogliotti, J. M. Domagala, S. J. Gracheck, M. D. Huband, J. A. Sesnie, M. A. Cohen, M. A. Shapiro, *J. Med. Chem.* **1995**, 38, 4478.
 J. P. Sanchez, A. J. Bridges, R. Bucsh, J. M. Domagala, R. D. Gogliotti, S. E. Hagen, C. L. Heifetz, E. T. Joannides, J. C. Sesnie, M. A. Shapiro, D. L. Szotek, *J. Med. Chem.* **1992**, 35, 361.
 T. Rosen, D. T. W. Chu, I. M. Lico, P. B. Fernandes, L. Shen, S. Borodkin, A. G. Pernet, *J. Med. Chem.* **1988**, 31, 1586.

A1104 5g 25g  3-Aminopyrrolidine CAS RN: 79286-79-6	A1167 1g 5g 25g  (3R)-(+)-3-Aminopyrrolidine CAS RN: 116183-82-5	A1168 1g 5g 25g  (3S)-(-)-3-Aminopyrrolidine CAS RN: 128345-57-3	A1055 5g 25g  3-Aminopyrrolidine Dihydrochloride CAS RN: 103831-11-4	A1054 5g 25g  (3S)-(+)-3-Aminopyrrolidine Dihydrochloride CAS RN: 116183-83-6
M1107 1g 5g  (3R)-(+)-3-(Methylamino)- pyrrolidine CAS RN: 139015-33-1	M1108 1g 5g  (3S)-(-)-3-(Methylamino)- pyrrolidine CAS RN: 139015-32-0	E0431 5g  3-(Ethylamino)pyrrolidine CAS RN: 111390-22-8	E0433 1g  (3R)-(+)-3-(Ethylamino)- pyrrolidine CAS RN: 381670-30-0	E0434 1g  (3S)-(-)-3-(Ethylamino)- pyrrolidine CAS RN: 381670-31-1
A1108 5g 25g  3-Acetamidopyrrolidine CAS RN: 79286-74-1	A1169 5g  (3R)-(+)-3-Acetamido- pyrrolidine CAS RN: 131900-62-4	A1170 5g  (3S)-(-)-3-Acetamido- pyrrolidine CAS RN: 114636-31-6	T1247 10g  3-(Trifluoroacetamido)- pyrrolidine Hydrochloride CAS RN: 84424-06-6	T1369 1g 25g  (3R)-(+)-3-(Trifluoroacetamido)- pyrrolidine Hydrochloride CAS RN: 141043-16-5
T1366 1g 25g  (3S)-(-)-3-(Trifluoroacetamido)- pyrrolidine Hydrochloride CAS RN: 132883-43-3	B1358 5g 25g  3-(<i>tert</i> -Butoxycarbonyl- amino)pyrrolidine CAS RN: 99724-19-3	A1171 5g 25g  (3R)-(+)-3-(<i>tert</i> -Butoxycarbonyl- amino)pyrrolidine CAS RN: 122536-77-0	A1172 5g 25g  (3S)-(-)-3-(<i>tert</i> -Butoxycarbonyl- amino)pyrrolidine CAS RN: 122536-76-9	D1859 10g 25g  3-(Dimethylamino)pyrrolidin CAS RN: 69478-75-7
D2149 1g 5g  (3R)-(+)-3-(Dimethyl- amino)pyrrolidine CAS RN: 132958-72-6	D2193 1g 5g  (3S)-(-)-3-(Dimethyl- amino)pyrrolidine CAS RN: 132883-44-4	D1857 5g  3-(Diethylamino)pyrrolidine CAS RN: 20984-81-0	M1096 5g 25g  3-(<i>N-tert</i> -Butoxycarbonyl- <i>N</i> -methylamino)pyrrolidine CAS RN: 172478-00-1	B3890 1g 5g  1-(<i>tert</i> -Butoxycarbonyl)- 3-aminopyrrolidine CAS RN: 186550-13-0

B2920 1g 5g  (3R)-(+)-1-(<i>tert</i> -Butoxycarbonyl)-3-aminopyrrolidine CAS RN: 147081-49-0	B2921 1g 5g  (3S)-(-)-1-(<i>tert</i> -Butoxycarbonyl)-3-aminopyrrolidine CAS RN: 147081-44-5	A2323 1g 5g  (<i>R</i>)-3-Amino-1-carbobenzoxy-pyrrolidine Hydrochloride CAS RN: 870621-17-3	A2324 1g 5g  (<i>S</i>)-3-Amino-1-carbobenzoxy-pyrrolidine Hydrochloride CAS RN: 550378-39-7	B1354 5g 25g  1-Benzyl-3-aminopyrrolidine CAS RN: 18471-40-4
A1173 10g 25g  (3R)-(-)-1-Benzyl-3-aminopyrrolidine CAS RN: 114715-39-8	A1174 10g 25g  (3S)-(+)-1-Benzyl-3-aminopyrrolidine CAS RN: 114715-38-7	B1558 5g 25g  1-Benzyl-3-(methylamino)pyrrolidine CAS RN: 96568-35-3	B1583 1g 5g 25g  (3S)-(+)-1-Benzyl-3-(methylamino)pyrrolidine CAS RN: 169749-99-9	B1560 5g  1-Benzyl-3-(ethylamino)pyrrolidine CAS RN: 115445-21-1
B1580 1g 5g  (3R)-(-)-1-Benzyl-3-(ethylamino)pyrrolidine CAS RN: 376591-05-8	B1581 1g 5g  (3S)-(+)-1-Benzyl-3-(ethylamino)pyrrolidine CAS RN: 169750-99-6	B1355 5g 25g  1-Benzyl-3-acetamidopyrrolidine CAS RN: 28506-01-6	B1932 5g  (3R)-(+)-1-Benzyl-3-(<i>tert</i> -butoxycarbonylamino)pyrrolidine CAS RN: 131878-23-4	D1964 25g  <i>N,N'</i> -Dibenzyl-3-aminopyrrolidine CAS RN: 108963-20-8
B1559 5g  1-Benzyl-3-(dimethylamino)pyrrolidine CAS RN: 69478-77-9	D1965 10g  <i>N,N'</i> -Dimethyl-3-aminopyrrolidine CAS RN: 64021-83-6			

東京化成工業株式会社

試薬製品について

■本社営業部 〒103-0023 東京都中央区日本橋本町4-10-1
Tel: 03-3668-0489 Fax: 03-3668-0520 E-mail: Sales-JP@TCIchemicals.com

■大阪営業部 〒541-0041 大阪府大阪市中央区北浜1-1-21 第2中井ビル1階
Tel: 06-6228-1155 Fax: 06-6228-1158 E-mail: osaka-s@TCIchemicals.com

スケールアップ、受託サービス(合成・開発・製造)について

□化成品部 〒103-0023 東京都中央区日本橋本町4-10-1
Tel: 03-5651-5171 Fax: 03-5640-8021 E-mail: finechemicals@TCIchemicals.com

弊社製品取扱店

本誌掲載の化学品は試験・研究用にのみ使用するものです。化学知識のある専門家以外の方のご使用はお避けください。品目や製品情報等、掲載内容の変更を予告なく行う場合があります。内容の一部または全部の無断転載・複製はご遠慮ください。