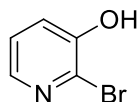


Intermediates

1. 2-Bromo-3-hydroxypyridine/2-bromopyridin-3-ol

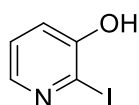


CAS Number: 6602-32-0

Molecular Formula: C₅H₄BrNO

Molecular Weight: 174.00

2. 2-Iodo-3-hydroxypyridine/2-iodopyridin-3-ol

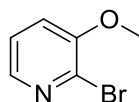


CAS Number: 40263-57-8

Molecular Formula: C₅H₄INO

Molecular Weight: 221.00

3. 2-bromo-3-methoxypyridine

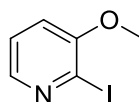


CAS Number: 24100-18-3

Molecular Formula: C₆H₆BrNO

Molecular Weight: 188.02

4. 2-iodo-3-methoxypyridine

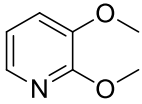


CAS Number: 93560-55-5

Molecular Formula: C₆H₆INO

Molecular Weight: 235.02

5. 2,3-dimethoxypyridine

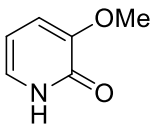


CAS Number: 52605-97-7

Molecular Formula: $C_7H_9NO_2$

Molecular Weight: 139.15

6. 3-methoxypyridin-2(1H)-one

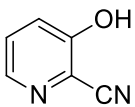


CAS Number:

Molecular Formula: $C_6H_7NO_2$

Molecular Weight: 125.13

7. 3-hydroxypicolinonitrile

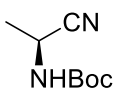


CAS Number:

Molecular Formula: $C_6H_4N_2O$

Molecular Weight: 120.11

8. Boc-L-Ala-nitrile/ (S)-tert-butyl (1-cyanoethyl)carbamate

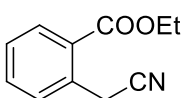


CAS Number: 130013-83-1

Molecular Formula: $C_8H_{14}N_2O_2$

Molecular Weight: 170.21

9. Ethyl 2-(cyanomethyl) benzoate

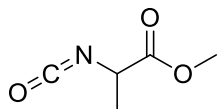


CAS Number: 19821-21-7

Molecular Formula: $C_{11}H_{11}NO_2$

Molecular Weight: 189.21

10. 2-Isocyanato-propionic acid methyl ester/methyl-N-oxomethylene-alaninate

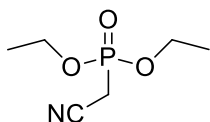


CAS Number: 30293-83-5

Molecular: $C_5H_7NO_3$

Molecular Weight: 129.11

11. Diethyl (cyanomethyl)phosphonate

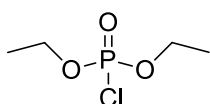


CAS Number: 2537-48-6

Molecular Formula: $C_6H_{12}NO_3P$

Molecular Weight: 177.14

12. Diethyl phosphorochloridate/Diethyl chlorophosphate

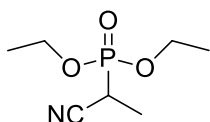


CAS Number: 814-49-3

Molecular Formula: $C_4H_{10}ClO_3P$

Molecular Weight: 172.55

13. Diethyl (1-cyanoethyl)phosphonate

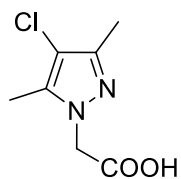


CAS Number: 29668-61-9

Molecular Formula: $C_7H_{14}NO_3P$

Molecular Weight: 191.16

14. 4-Chloro-3, 5-dimethyl-1H-pyrazol-1-yl acetic-acid

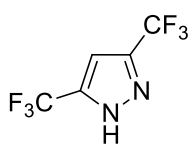


CAS Number: 374913-86-7

Molecular Formula: C₇H₉ClN₂O₂

Molecular Weight: 188.61

15. 3,5-Bis(trifluoromethyl)pyrazole

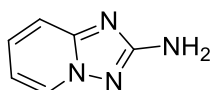


CAS Number: 14704-41-7

Molecular Formula: C₅H₂F₆N₂

Molecular Weight: 204.07

16. [1,2,4]triazolo[1,5-a]pyridin-2-amine

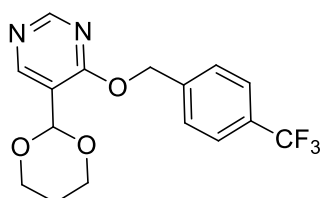


CAS Number: 874-46-4

Molecular Formula: C₆H₆N₄

Molecular Weight: 134.14

17. BENZPYRIMOXAN

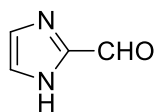


CAS Number: 1449021-97-9

Molecular Formula: C₁₆H₁₅F₃N₂O₃

Molecular Weight: 340.30

18. 2-Imidazolecarboxaldehyde/1H-imidazole-2-carbaldehyde

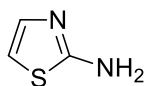


CAS Number: 10111-08-7

Molecular Formula: C₄H₄N₂O

Molecular Weight: 96.09

19. 2-Aminothiazole

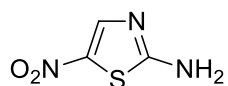


CAS Number: 96-50-4

Molecular Formula: C₃H₄N₂S

Molecular Weight: 100.14

20. 2-Amino-5-nitrothiazole

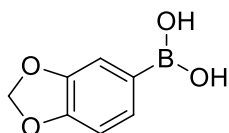


CAS Number: 121-66-4

Molecular Formula: C₃H₃N₃O₂S

Molecular Weight: 145.14

21. 1,3-Benzodioxol-5-ylboronic acid

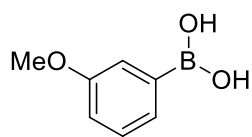


CAS Number: 94839-07-3

Molecular Formula: C₇H₇BO₄

Molecular Weight: 165.94

22. 3-Methoxyphenylboronic acid

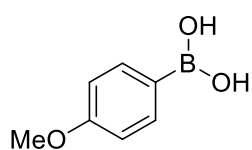


CAS Number: 10365-98-7

Molecular Formula: $C_7H_9BO_3$

Molecular Weight: 151.96

23. 4-Methoxyphenylboronic acid

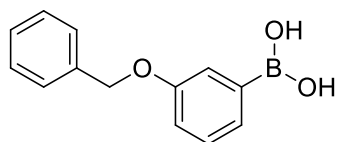


CAS Number: 5720-07-0

Molecular Formula: $C_7H_9BO_3$

Molecular Weight: 151.96

24. 3-(benzyloxy)phenylboronic acid

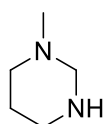


CAS Number: 156682-54-1

Molecular Formula: $C_{13}H_{13}BO_3$

Molecular Weight: 228.05

25. 1-Methylhexahydropyrimidine

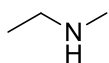


CAS Number: 31952-00-8

Molecular Formula: $C_5H_{12}N_2$

Molecular Weight: 100.16

26. N-Ethylmethylamine

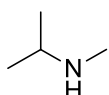


CAS Number: 624-78-2

Molecular Formula: C₃H₉N

Molecular Weight: 59.11

27. N-Isopropylmethylamine

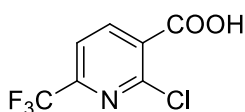


CAS Number: 4747-21-1

Molecular Formula: C₄H₁₁N

Molecular Weight: 73.14

28. 2-chloro-6-(trifluoromethyl)nicotinic acid

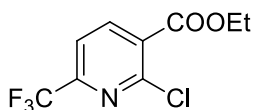


CAS Number: 280566-45-2

Molecular Formula: C₇H₃ClF₃NO₂

Molecular Weight: 225.55

29. Ethyl 2-chloro-6-(trifluoromethyl)nicotinate

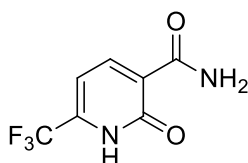


CAS Number: 1214346-14-1

Molecular Formula: C₉H₇ClF₃NO₂

Molecular Weight: 253.61

30. 2-oxo-6-(trifluoromethyl)-1,2-dihydropyridine-3-carboxamide

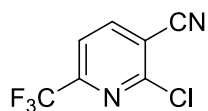


CAS Number: 116548-03-9

Molecular Formula: $C_7H_5F_3N_2O_2$

Molecular Weight: 206.12

31. 2-chloro-6-(trifluoromethyl)nicotinonitrile

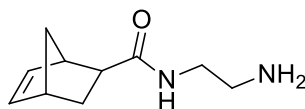


CAS Number: 386704-06-9

Molecular Formula: $C_7H_2ClF_3N_2$

Molecular Weight: 206.55

32. N-(2-Aminoethyl)bicyclo[2.2.1]hept-5-ene-2-carboxamide

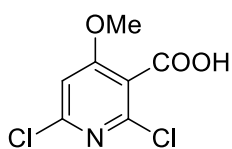


CAS Number: 1218111-45-5

Molecular Formula: $C_{10}H_{16}N_2O$

Molecular Weight: 180.25

33. 2,6-dichloro-4-methoxynicotinic acid

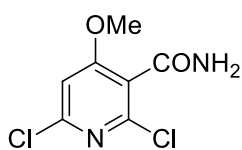


CAS Number: NA

Molecular Formula: $C_7H_5Cl_2NO_3$

Molecular Weight: 222.03

34. 2,6-dichloro-4-methoxynicotinamide

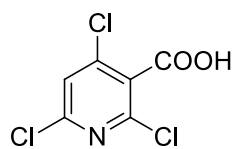


CAS Number: NA

Molecular Formula: $C_7H_6Cl_2N_2O_2$

Molecular Weight: 221.04

35. 2,4,6-trichloronicotinic acid



CAS Number: 69422-72-6

Molecular Formula: $C_6H_2Cl_3NO_2$

Molecular Weight: 226.44