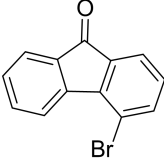
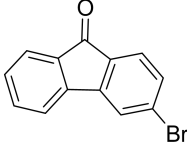
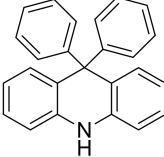
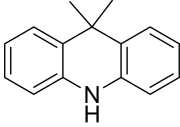
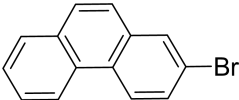
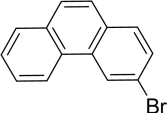
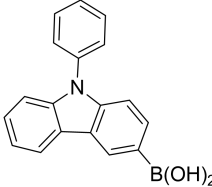
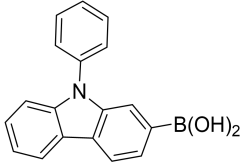
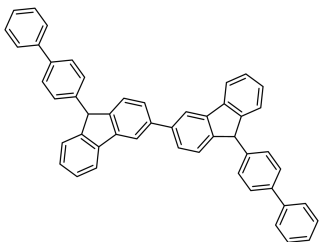
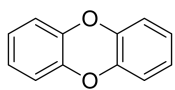
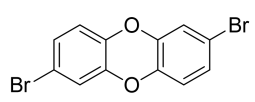
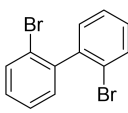
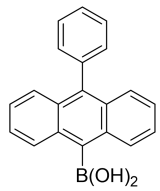
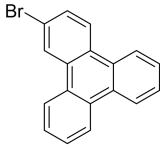
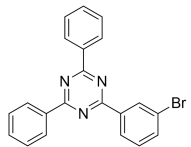
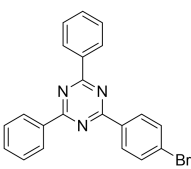


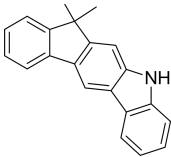
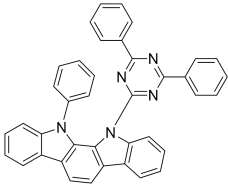
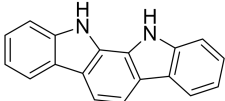
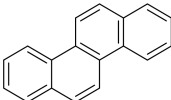
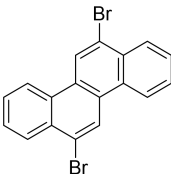
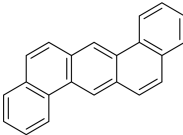
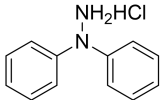
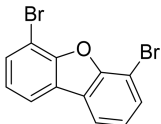
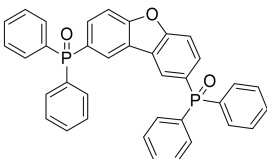
OLED Intermediates

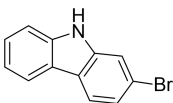
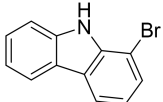
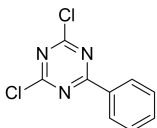
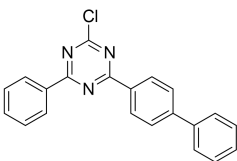
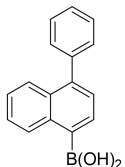
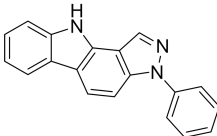
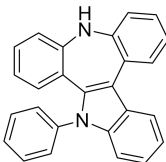
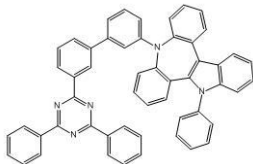
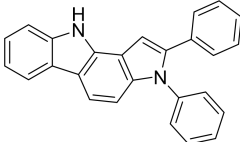
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TEL:03-3354-4026 FAX:03-3352-2196
E-mail:nakata@namiki-s.co.jp

OLED intermediates

Name	CAS#	Structure	Capacity	Purity
4-溴芴酮 (9H- Fluoren- 9-one, 4- bromo-)	4269-17-4		100g, 1Kg, 10Kg, 100Kg	99.5%
3-溴芴酮 (9H- Fluoren- 9-one, 3- bromo-)	2041-19-2		100g, 1Kg	98%
Acridine, 9, 10- dihydro- 9, 9- diphenyl-)	20474-15-1		100g, 1Kg, 5Kg, 10Kg	99.5%
Acridine, 9, 10- dihydro- 9, 9- dimethyl-	6267-02-3		100g, 1Kg, 5Kg, 10Kg	99%
Phenanthrene, 2- bromo-	62162-97-4		100g, 1Kg, 5Kg, 10Kg	99.5%
Phenanthrene, 3- bromo-	715-50-4		10g,100g	99%
Boronic acid, B- (9- phenyl- 9H- carbazol- 3- yl) -	854952-58-2		100g, 1Kg, 10Kg, 100Kg	99%
Boronic acid, B- (9- phenyl- 9H- carbazol- 2- yl) -	1001911-63-2		100g, 1Kg, 5Kg, 10Kg	99%

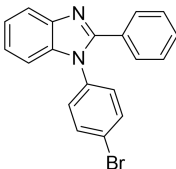
Name	CAS#	Structure	Capacity	Purity
3, 3'- Bi- 9H- carbazole, 9, 9'- bis([1, 1'- bi phenyl] - 4- yl) -	57102-51-9		100g, 1Kg, 5Kg, 10Kg	99%
Dibenzo[<i>b, e</i>] [1, 4] dioxin	262-12-4		100g, 1Kg, 5Kg, 10Kg	99%
Dibenzo[<i>b, e</i>] [1, 4] dioxin, 2, 7- dibromo-	39073-07-9		100g, 1Kg, 5Kg, 10Kg	99%
1, 1'- Biphenyl, 2, 2'- dibromo-	13029-09-9		100g, 1Kg, 10Kg, 100Kg	99.5%
Boronic acid, <i>B</i> - (10- phenyl- 9- anthracenyl) -	334658-75-2		100g, 1Kg, 10Kg, 100Kg	99.9%
Triphenylene, 2- bromo-	19111-87-6		100g, 1Kg, 10Kg, 100Kg	99%
1, 3, 5- Triazine, 2- (3- bromophenyl) - 4, 6- diphenyl-	864377-31-1		100g, 1Kg, 10Kg, 100Kg	99.5%
1, 3, 5- Triazine, 2- (4- bromophenyl) - 4, 6- diphenyl-	23449-08-3		100g, 1Kg, 10Kg, 100Kg	99.5%

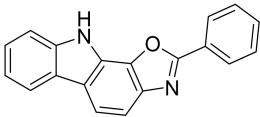
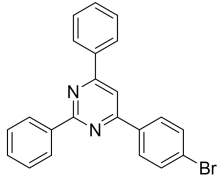
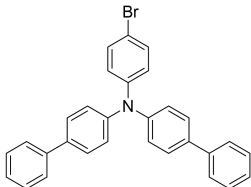
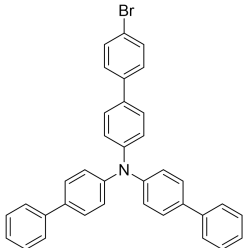
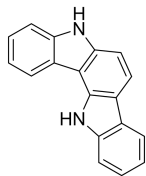
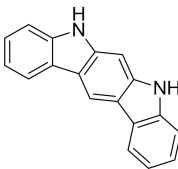
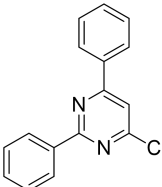
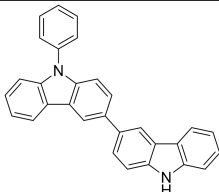
Name	CAS#	Structure	Capacity	Purity
Indeno[2, 1- b] carbazole, 5, 7- dihydro- 7, 7- dimethyl-	1257220-47-5		100g, 1Kg, 5Kg, 10Kg	99.5%
			100g, 1Kg	99.5%
Indolo[2, 3- a] carbazole, 11, 12- dihydro-	60511-85-5		100g, 1Kg, 5Kg, 10Kg	99%
Chrysene	218-01-9		100g, 1Kg, 5Kg	99%
Chrysene, 6, 12- dibromo-	131222-99-6		100g, 1Kg,	99.5%
Dibenz[a, h] anthracene	53-70-3		10g,100g,1Kg	99%
Hydrazine, 1, 1- diphenyl- , hydrochloride	530-47-2		100g, 1Kg, 10Kg, 100Kg	99%
Dibenzofuran, 4, 6- dibromo-	201138-91-2		100g, 1Kg	99%
Phosphine oxide, 1, 1- (2, 8- dibenzofurandiyl) bis[1, 1-diphenyl-	911397-27-8		100g, 1Kg	99%

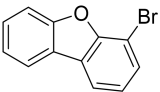
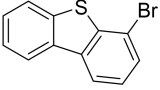
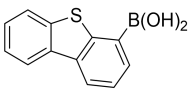
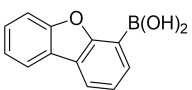
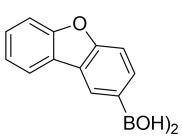
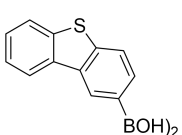
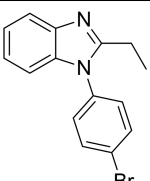
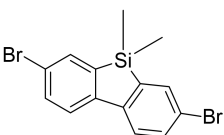
Name	CAS#	Structure	Capacity	Purity
9 <i>H</i> - Carbazole, 2- bromo-	3652-90-2		100g, 1Kg, 10Kg, 100Kg	99%
9 <i>H</i> - Carbazole, 1- bromo-	16807-11-7		100g, 1Kg	99%
1, 3, 5- Triazine, 2, 4- dichloro- 6- phenyl-	1700-02-3		100g, 1Kg, 10Kg, 100Kg	99.5%
1, 3, 5- Triazine, 2, 4- bis([1, 1'- bi phenyl] - 4- yl) - 6- chloro-	182918-13-4		100g, 1Kg	99.5%
Boronic acid, <i>B</i> - (4- phenyl- 1- naphthalenyl) -	372521-91-0		100g, 1Kg, 10Kg, 100Kg	99.5%
Pyrrazolo[4, 3- <i>a</i>] ca rbazole, 3, 10- dihydro- 3- phenyl-	1613406-18-0		100g, 1Kg, 5Kg, 25Kg	99.5%
Benz[<i>b</i>] indolo[2, 3- <i>d</i>] [1] benzazepine , 5, 10- dihydro- 5- phenyl-	1799295-84-3 (量产产品)		100g, 1Kg, 5Kg, 25Kg	99.5%
				
Pyrrolo[3, 2- <i>a</i>] car bazole, 3, 10- dihydro- 2, 3- diphenyl-	1443048-86-9		100g, 1Kg	99.5%

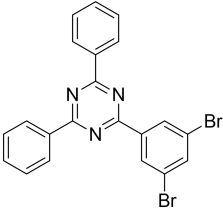
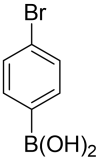
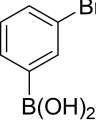
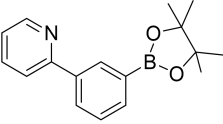
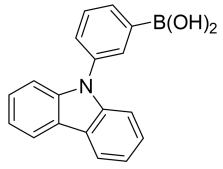
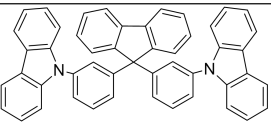
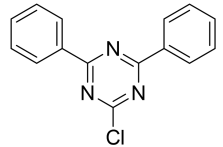
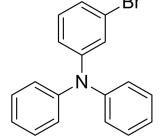
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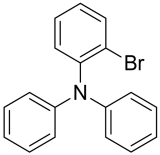
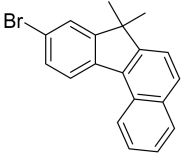
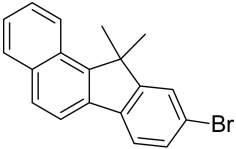
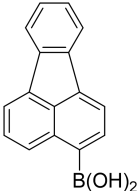
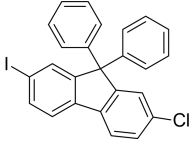
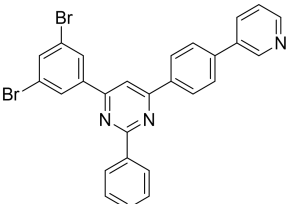
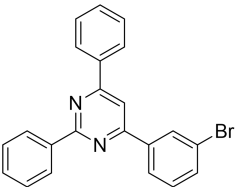
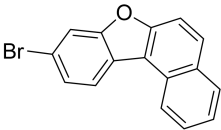
OLED intermediates

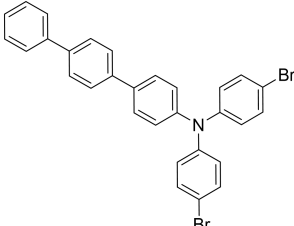
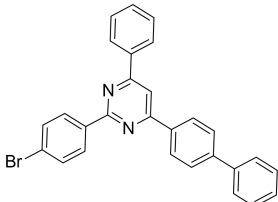
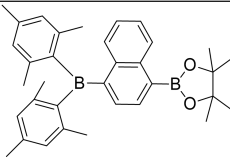
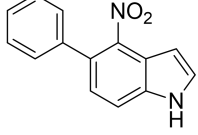
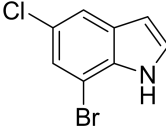
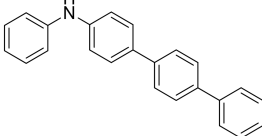
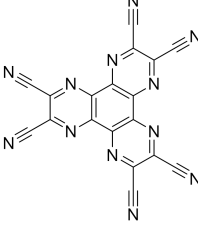
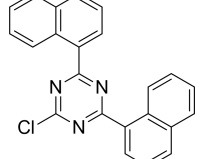
1H-Benzimidazole, 1- (4-bromophenyl) - 2-phenyl-	760212-58-6		100g, 1Kg, 5Kg, 25Kg	99%
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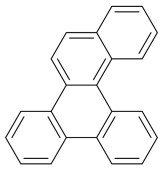
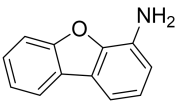
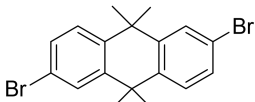
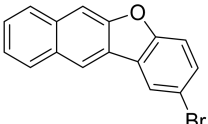
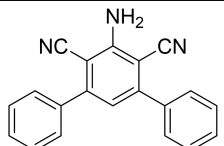
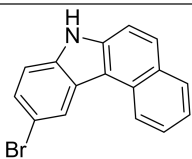
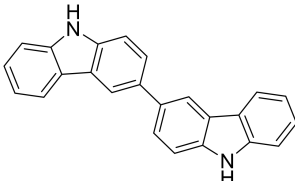
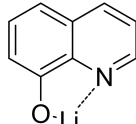
Name	CAS#	Structure	Capacity	Purity
10 <i>H</i> Oxazolo[5, 4- <i>a</i>] carbazole, 2- phenyl-	1650558-67-0		100g, 1Kg, 5Kg, 25Kg	99%
Pyrimidine, 4- (4- bromophenyl) - 2, 6- diphenyl-	58536-46-2		100g, 1Kg, 5Kg, 25Kg	99%
[1, 1'- Biphenyl] - 4- amine, <i>N</i> - [1, 1'- biphenyl] - 4- yl- <i>N</i> - (4- bromoph enyl)	499128-71-1		100g, 1Kg, 5Kg, 25Kg	99.5%
[1, 1'- Biphenyl] - 4- amine, <i>N</i> - [1, 1'- biphenyl] - 4- yl- <i>N</i> - (4'- bromo[1, 1'- biphenyl] - 4- yl) -	728039-63-2		100g, 1Kg, 5Kg, 25Kg	99.5%
Indolo[3, 2- <i>a</i>] car bazole, 5, 12- dihydro-	111296-91-4		100g, 1Kg	99%
Indolo[2, 3- <i>b</i>] car bazole, 5, 7- dihydro-	111296-90-3		100g, 1Kg	98%
Pyrimidine, 4- chloro- 2, 6- diphenyl-	29509-91-9		100g, 1Kg, 5Kg, 25Kg	99%
3, 3'- Bi- 9 <i>H</i> carb azole, 9- phenyl-	1060735-14-9		100g, 1Kg, 5Kg, 25Kg	99.8%

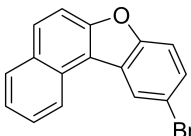
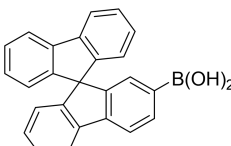
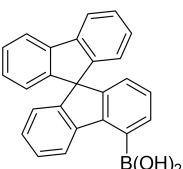
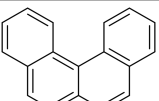
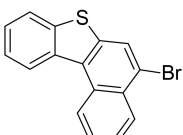
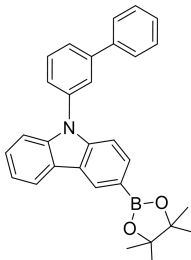
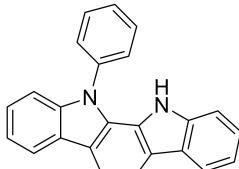
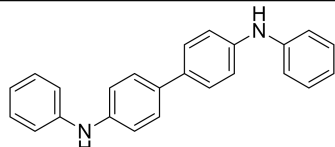
Name	CAS#	Structure	Capacity	Purity
Dibenzofuran, 4- bromo-	89827-45-2		100g, 1Kg, 5Kg, 25Kg	99%
Dibenzothiophene, 4- bromo-	97511-05-2		100g, 1Kg, 5Kg, 25Kg	99%
Boronic acid, <i>B</i> - 4- dibenzoth ienyl-	108847-20-7		100g, 1Kg, 5Kg, 25Kg	99%
Boronic acid, <i>B</i> - 4- dibenzofu ranyl-	100124-06-9		100g, 1Kg, 5Kg, 25Kg	99%
Boronic acid, <i>B</i> - 2- dibenzofu ranyl-	402936-15-6		100g, 1Kg, 5Kg, 25Kg	99%
Boronic acid, <i>B</i> - 2- dibenzoth ienyl-	668983-97-9		100g, 1Kg, 5Kg, 25Kg	99%
1<i>H</i>- Benzimidazole, 1- (4- bromophen yl) - 2- ethyl-	97870-64-9		100g, 1Kg, 5Kg, 25Kg	99%
9<i>H</i>- 9- Silafluoren e, 2, 7- dibromo- 9, 9- dimethyl-	1228595-79-6		100g, 1Kg	99%

Name	CAS#	Structure	Capacity	Purity
1, 3, 5- Triazine, 2- (3, 5- dibromophenyl) - 4, 6- diphenyl-	1073062-59-5		100g, 1Kg	99%
Boronic acid, <i>B</i>- (4- bromophenyl) -	5467-74-3		100g, 1Kg, 5Kg, 25Kg	98%
Boronic acid, <i>B</i>- (3- bromophenyl) -	89598-96-9		100g, 1Kg, 5Kg, 25Kg	98%
2-[3-(4,4,5,5-Tetramethyl- [1,3,2]dioxaborolan-2-yl)-phenyl]-pyridi ne			100g, 1Kg	99%
Boronic acid, <i>B</i> - [3- (9 <i>H</i> - carbazol- 9- yl) phenyl] -	864377-33-3		100g, 1Kg, 5Kg, 25Kg	99%
9 <i>H</i> - Carbazole, 9, 9'- (9 <i>H</i> - fluoren- 9- ylidenedi- 3, 1- phenylene) bis-	1431945-64-0		100g, 1Kg	99%
1, 3, 5- Triazine, 2- chloro- 4, 6- diphenyl-	3842-55-5		100g, 1Kg, 5Kg, 25Kg	99.5 %
Benzenamine, 3- bromo- <i>N</i> , <i>N</i> - diphenyl-	78600-33-6		100g, 1Kg	99%

Name	CAS#	Structure	Capacity	Purity
Benzenamine, 2- bromo- <i>N, N</i> - d iphenyl-	78600-31-4		100g, 1Kg	99%
7<i>H</i>- Benzo[<i>c</i>] fluorene, 9- bromo- 7, 7- dimethyl-	1198396-46-1		100g, 1Kg	99%
11 <i>H</i> - Benzo[<i>a</i>] fluorene, 9- bromo- 11, 11- dimethyl-	1198396-29-0		100g, 1Kg	99%
Boronic acid, <i>B</i>- 3- fluoran thenyl-	359012-63-8		100g, 1Kg	99%
9 <i>H</i> - Fluorene, 2- chloro- 7- iodo- 9, 9- diphenyl-	851119-15-8		100g, 1Kg	99%
Pyrimidine, 4- (3, 5- dibromop henyl) - 2- phenyl- 6- [4- (3- pyridin yl) phenyl] -	1776083-02-3		100g, 1Kg	99%
Pyrimidine, 4- (3- bromophen yl) - 2, 6- diphe nyl-	864377-28-6		100g, 1Kg	99%
Benzo[<i>b</i>] naphtho[1, 2- <i>d</i>] furan, 9- bromo-	1256544-27-0		100g, 1Kg	99%

Name	CAS#	Structure	Capacity	Purity
			100g, 1Kg	99%
4-([1,1'-biphenyl]-4-yl)-2-(4-bromophenyl)-6-phenylpyrimidine			100g, 1Kg	99%
			100g, 1Kg	98%
1H- Indole, 4- nitro- 5- phenyl-	160096-30-0		100g, 1Kg, 5Kg, 25Kg	99%
1H- Indole, 7- bromo- 5- chloro-	292636-08-9		100g, 1Kg	99%
	897671-81-7		100g, 1Kg	99%
5Dipyrzino[2, 3- f:2', 3'- h] quinoxaline- 2, 3, 6, 7, 10, 11- hexacarbonitrile	105598-24-7		100g, 1Kg, 5Kg, 25Kg	99.5%
1, 3, 5- Triazine, 2- chloro- 4, 6- di- 1- naphthalenyl-	78941-32-9		100g, 1Kg	99%

Name	CAS#	Structure	Capacity	Purity
Benzo[<i>g</i>] chrysene	196-78-1		100g, 1Kg, 5Kg, 25Kg	99%
4- Dibenzofuranamine	50548-43-1		100g, 1Kg	99%
Anthracene, 2, 6- dibromo- 9, 10- dihydro- 9, 9, 10, 10- tetramethyl-	886363-70-8		100g, 1Kg	99%
Benzo[<i>b</i>] naphtho[2, 3- <i>d</i>]] furan, 2- bromo-	1627917-16-1		100g, 1Kg, 5Kg, 25Kg	99%
[1, 1':3', 1''- Terphenyl] - 4', 6'- dicarbonitrile, 5'- amino-	36337-28-7		100g, 1Kg	99%
7 <i>H</i> - Benzo[<i>c</i>] carbazole, 10- bromo-	1698-16-4		100g, 1Kg, 5Kg, 25Kg	99%
3, 3'- Bi- 9 <i>H</i> - carbazole	1984-49-2		100g, 1Kg, 5Kg, 25Kg	99%
8-Hydroxyquinolinolato-lithium	850918-68-2		100g, 1Kg, 5Kg, 25Kg	99%

Name	CAS#	Structure	Capacity	Purity
Benzo[<i>b</i>] naphtho[1, 2- <i>d</i>] furan, 10- bromo-	1256544-20-3		100g, 1Kg, 5Kg, 25Kg	99%
Boronic acid, <i>B</i>- 9, 9'- spi robi[9<i>H</i>- fluoren] - 2- yl-	236389-21-2		100g, 1Kg, 5Kg, 25Kg	99%
Boronic acid, <i>B</i>- 9, 9'- spi robi[9<i>H</i>- fluoren] - 4- yl-	1421789-05-0		100g, 1Kg, 5Kg, 25Kg	99%
			100g, 1Kg, 5Kg, 25Kg	99%
Benzo[<i>b</i>] naphtho[1, 2- <i>d</i>] thiophene, 5- bromo-	189097-35-6		100g, 1Kg, 5Kg, 25Kg	99%
9<i>H</i>- Carbazole, 9- [1, 1'- biphen yl] - 3- yl- 3- (4, 4, 5, 5- tetra methyl- 1, 3, 2- dioxaborolan- 2- yl) -	1533406-38-0		100g, 1Kg, 5Kg, 25Kg	99.5%
Indolo[2, 3- <i>a</i>] car bazole, 11, 12- dihydro- 11 - phenyl-	1024598-06-8		100g, 1Kg, 5Kg, 25Kg	99%
[1, 1'- Biphenyl] - 4, 4'- diamine, <i>N</i> ⁶ , <i>N</i> ⁶ - diphenyl-	531-91-9		100g, 1Kg, 10Kg, 100Kg	99.5%