

# CRC HANDBOOK OF CHEMISTRY & PHYSICS

## PHYSICAL CONSTANTS OF ORGANIC COMPOUNDS (continued)

No.	Name Synonym	Mol. Form. Mol. Wt.	CAS RN mp/°C	Merck No. bp/°C	Bell. Ref. den/g cm <sup>-3</sup>	Solubility n <sub>D</sub>
7719	2-Naphthalenamine, <i>N</i> -ethyl-	C <sub>12</sub> H <sub>13</sub> N 171.24	2437-03-8 238	316.5	4-12-00-03126 1.0545 <sup>21</sup>	1.6544 <sup>21</sup>
7720	1-Naphthalenamine, 4-methyl-	C <sub>14</sub> H <sub>11</sub> N 157.22	4523-45-9 51.3	176 <sup>12</sup>	4-12-00-03190	eth 4
7721	1-Naphthalenamine, <i>N</i> -methyl-	C <sub>11</sub> H <sub>11</sub> N 157.22	2218-88-4 174	294.5	4-12-00-03013	eth 4; EtOH 4 1.6722 <sup>20</sup>
7722	2-Naphthalenamine, <i>N</i> -methyl-	C <sub>11</sub> H <sub>11</sub> N 157.22	2216-67-3	317	4-12-00-03125	eth 4; EtOH 4 1.6722 <sup>20</sup>
7723	1-Naphthalenamine, <i>N</i> -(2-methylphenyl)- 1-Naphthyl(2-tolyl)amine	C <sub>17</sub> H <sub>15</sub> N 233.31	634-41-3 94.5	200 <sup>9</sup>	3-12-00-02857	bz 4; eth 4; EtOH 4
7724	1-Naphthalenamine, <i>N</i> -(4-methylphenyl)-	C <sub>17</sub> H <sub>15</sub> N 233.31	634-43-5 79	360 <sup>52b</sup> , 230 <sup>10</sup>	4-12-00-03016	bz 4; eth 4
7725	2-Naphthalenamine, <i>N</i> -(2-methylphenyl)- 2-Naphthyl(2-tolyl)amine	C <sub>17</sub> H <sub>15</sub> N 233.31	644-15-5 95.5	402.5	1-12-00-00535	ace 4; bz 4; eth 4; EtOH 4
7726	1-Naphthalenamine, <i>N</i> -1-naphthalenyl-	C <sub>20</sub> H <sub>15</sub> N 269.35	737-89-3 115	311 <sup>15</sup>	4-12-00-03018	H <sub>2</sub> O 1; EtOH 3; eth 3; ace 3
7727	2-Naphthalenamine, <i>N</i> -2-naphthalenyl- β-Dinaphthylamine	C <sub>20</sub> H <sub>15</sub> N 269.35	532-18-3 172.2	3260 471	4-12-00-03131	H <sub>2</sub> O 1; EtOH 2; eth 3; bz 2
7728	2-Naphthalenamine, <i>N</i> -phenyl- <i>N</i> -Phenyl-β-naphthylamine	C <sub>18</sub> H <sub>13</sub> N 219.29	135-88-6 108	395.5	4-12-00-03128	H <sub>2</sub> O 1; EtOH 3; eth 3; bz 3
7729	2-Naphthalenamine, 1-(phenylazo)- Yellow AB	C <sub>18</sub> H <sub>13</sub> N <sub>3</sub> 247.30	85-84-7 103	10003		EtOH 4; HOAc 4
7730	2-Naphthalenamine, <i>N</i> -(phenylmethyl)-	C <sub>17</sub> H <sub>15</sub> N 233.31	13672-18-9 68	405	4-12-00-03130	bz 4; lig 4
7731	1-Naphthalenamine, 5,6,7,8-tetrahydro-	C <sub>10</sub> H <sub>13</sub> N 147.22	2217-41-6 38	279	4-12-00-02934 1.0625 <sup>18</sup>	H <sub>2</sub> O 2; EtOH 3; eth 3; acid 3 1.5900 <sup>20</sup>
7732	Naphthalene	C <sub>10</sub> H <sub>8</sub> 128.17	91-20-3 80.2	6289 217.9	4-05-00-01840 1.0253 <sup>20</sup>	H <sub>2</sub> O 1; EtOH 3; eth 4; ace 4 1.5898 <sup>25</sup>
7733	1-Naphthaleneacetamide Acetic acid, amide, 1-naphthyl	C <sub>14</sub> H <sub>11</sub> NO 185.23	86-88-2	sub 180	4-09-00-02426	H <sub>2</sub> O 1; eth 3; bz 3; CS <sub>2</sub> 3
7734	1-Naphthaleneacetic acid 1-Naphthylacetic acid	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub> 186.21	86-87-3 135	6290 dec	4-09-00-02424	H <sub>2</sub> O 2; EtOH 2; eth 4; ace 4
7735	1-Naphthaleneacetic acid, ethyl ester Ethyl 1-naphthylacetate	C <sub>14</sub> H <sub>14</sub> O <sub>2</sub> 214.26	2122-70-5 88.5	222 <sup>20</sup> , 118 <sup>13</sup>	4-09-00-02425	EtOH 3; eth 3
7736	1-Naphthaleneacetonitrile	C <sub>12</sub> H <sub>9</sub> N 167.21	132-75-2 32.5	192 <sup>18</sup> , 163 <sup>12</sup>	4-09-00-02428	EtOH 3 1.6192 <sup>20</sup>
7737	2-Naphthaleneacetonitrile	C <sub>12</sub> H <sub>9</sub> N 167.21	7498-57-9 83	303	3-09-00-03212 1.092 <sup>25</sup>	
7738	Naphthalene, 1-azido-	C <sub>10</sub> H <sub>7</sub> N <sub>3</sub> 169.19	6921-40-0 12	750 <sup>001</sup>	1.1713 <sup>25</sup>	EtOH 4; eth 5; ace 5 1.6550 <sup>25</sup>
7739	Naphthalene, 1-bromo- 1-Naphthyl bromide	C <sub>10</sub> H <sub>7</sub> Br 207.07	90-11-9 -1.8	1413 281	4-05-00-01865 1.4785 <sup>20</sup>	H <sub>2</sub> O 3; EtOH 5; eth 5; ace 3 1.658 <sup>20</sup>
7740	Naphthalene, 2-bromo- 2-Bromonaphthalene	C <sub>10</sub> H <sub>7</sub> Br 207.07	580-13-2 59	1414 281.5	4-05-00-01867 1.605 <sup>25</sup>	H <sub>2</sub> O 1; EtOH 3; eth 3; bz 3 1.6382 <sup>80</sup>
7741	Naphthalene, 1-bromo-4-chloro- 1-Bromo-4-chloronaphthalene	C <sub>10</sub> H <sub>6</sub> BrCl 241.51	53220-82-9 68.5	303	3-05-00-01585	eth 4; HOAc 4
7742	Naphthalene, 1-(bromomethyl)-	C <sub>11</sub> H <sub>9</sub> Br 221.10	3163-27-7 56	183 <sup>18</sup> , 167 <sup>10</sup>	4-05-00-01693	ace 4; bz 4; eth 4; EtOH 4
7743	Naphthalene, 2-(bromomethyl)-	C <sub>11</sub> H <sub>9</sub> Br 221.10	939-26-4 56	213 <sup>100</sup> , 167 <sup>14</sup>	4-05-00-01698	EtOH 3; eth 3; chl 3; HOAc 3
7744	Naphthalene, 1-bromo-3-nitro-	C <sub>10</sub> H <sub>6</sub> BrNO <sub>2</sub> 252.07	7499-85-2 132.3	sub	4-05-00-01678	eth 4; EtOH 4
7745	Naphthalene, 2-bromo-1-nitro- 2-Bromo-1-nitronaphthalene	C <sub>10</sub> H <sub>6</sub> BrNO <sub>2</sub> 252.07	4185-62-0 104.3	>360	4-05-00-01677	bz 4; eth 4; EtOH 4
7746	Naphthalene, 1-butyl-	C <sub>14</sub> H <sub>18</sub> 184.26	1634-09-9 -19.8	289.3	4-05-00-01737 0.9738 <sup>20</sup>	H <sub>2</sub> O 1; EtOH 3; eth 3; ace 3 1.5819 <sup>20</sup>
7747	Naphthalene, 2-butyl- 2-Butylnaphthalene	C <sub>14</sub> H <sub>18</sub> 186.30	1134-62-9 -5	292	4-05-00-01738 0.9673 <sup>20</sup>	ace 4; bz 4; EtOH 4 1.5777 <sup>20</sup>
7748	1-Naphthalenecarbonitrile	C <sub>11</sub> H <sub>7</sub> N 153.18	86-53-3 37.5	299	4-09-00-02407 1.1080 <sup>25</sup>	H <sub>2</sub> O 1; EtOH 4; eth 4; lig 3 1.6298 <sup>18</sup>
7749	2-Naphthalenecarbonitrile	C <sub>11</sub> H <sub>7</sub> N 153.18	613-46-7 66	306.5	4-09-00-02419 1.0755 <sup>90</sup>	H <sub>2</sub> O 2; EtOH 3; eth 3; chl 2
7750	2-Naphthalenecarbonyl chloride	C <sub>11</sub> H <sub>7</sub> ClO 190.63	2243-83-6 51	305	4-09-00-02417	bz 4; eth 4; chl 4
7751	1-Naphthalenecarboxaldehyde	C <sub>11</sub> H <sub>8</sub> O 156.18	66-77-3 33.5	292	4-07-00-01286 1.1503 <sup>20</sup>	H <sub>2</sub> O 1; EtOH 3; eth 3; ace 3 1.6507 <sup>20</sup>
7752	2-Naphthalenecarboxaldehyde	C <sub>11</sub> H <sub>8</sub> O 156.18	66-89-9 62	180 <sup>19</sup>	4-07-00-01288 1.0775 <sup>99</sup>	H <sub>2</sub> O 2; EtOH 4; eth 4; ace 3 1.6211 <sup>99</sup>
7753	1-Naphthalenecarboxaldehyde, 2-ethoxy-	C <sub>13</sub> H <sub>12</sub> O <sub>2</sub> 200.24	19523-57-0 115	185-7 <sup>25</sup>	3-08-00-01110	EtOH 3; HOAc 3
7754	1-Naphthalenecarboxaldehyde, 2-hydroxy-	C <sub>11</sub> H <sub>8</sub> O <sub>2</sub> 172.18	708-06-5 83	192 <sup>27</sup>	4-08-00-01160	H <sub>2</sub> O 1; EtOH 3; eth 3; aq alk 3
7755	1-Naphthalenecarboxaldehyde, 4-methoxy-	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub> 186.21	15971-29-6 34.8	212 <sup>40</sup>	4-08-00-01170 1.1879 <sup>99</sup>	