

# 液晶材料一覧

## シアノビフェニール(CB)系

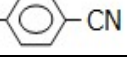
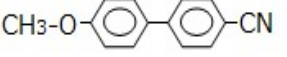
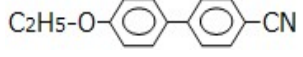
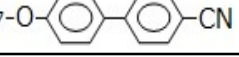
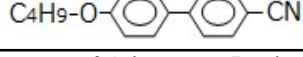
改訂 : 2022年1月17日

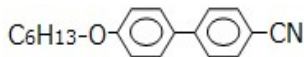
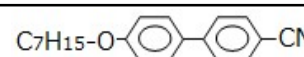
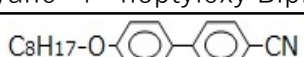
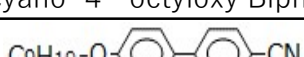
改訂2 : 2022年4月6日

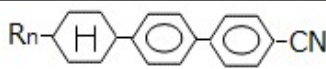
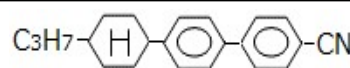
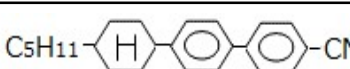
有無は物性表の有無を表し、○は有です


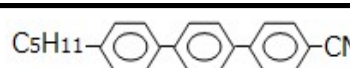
改訂3 : 2022年11月4日

Rn-  -CN		シアノビフェニール		Cyano Biphenyl			
品名	CAS No.	有無	Rn	CN	構造式	mp(°C)	NI(°C)
0 CB S133		○	—	CN	 Cyano Biphenyl	86.7	無
1 CB S134			CH <sub>3</sub>	CN	 4-cyano-4'-methyl Biphenyl	109.0	
2 CB S135	58743-75-2	○	C <sub>2</sub> H <sub>5</sub>	CN	 4-cyano-4'-ethyl Biphenyl	75.0	
3 CB S136	58743-76-3	○	C <sub>3</sub> H <sub>7</sub>	CN	 4-cyano-4'-propyl Biphenyl	68.0	無
4 CB S137		○	C <sub>4</sub> H <sub>9</sub>	CN	 4-cyano-4'-butyl Biphenyl	48.0	
5 CB S138	40817-08-1	○	C <sub>5</sub> H <sub>11</sub>	CN	 4-cyano-4'-pentyl Biphenyl	22.0	34.0
6 CB S139	41122-70-7	○	C <sub>6</sub> H <sub>13</sub>	CN	 4-cyano-4'-hexyl Biphenyl	13.5	28.0
7 CB S140		○	C <sub>7</sub> H <sub>15</sub>	CN	 4-cyano-4'-heptyl Biphenyl	28.5	42.0

Rn-O-  -CN		アルコキシシアノビフェニール		Alkoxy Cyano BiPhenyl			
品名	CAS No.	有無	Rn	CN	構造式	mp(°C)	NI(°C)
1 O C B			CH <sub>3</sub> O	CN	 4-cyano-4'-methoxy Biphenyl	104.0	85.5
2 O C B			C <sub>2</sub> H <sub>5</sub> O	CN	 4-cyano-4'-ethoxy Biphenyl	102.0	90.5
3 O C B			C <sub>3</sub> H <sub>7</sub> O	CN	 4-cyano-4'-propoxy Biphenyl	71.0	64.0
4 O C B			C <sub>4</sub> H <sub>9</sub> O	CN	 4-cyano-4'-butoxy Biphenyl	78.0	75.5
5 O C B		○	C <sub>5</sub> H <sub>11</sub> O	CN	 4-cyano-4'-pentoxy Biphenyl	53.0	67.5

6 O C B			C <sub>6</sub> H <sub>13</sub> O	CN		58.0	76.5
4-cyano-4'-hexyloxy Biphenyl							
7 O C B			C <sub>7</sub> H <sub>15</sub> O	CN		53.5	75.0
4-cyano-4'-heptyloxy Biphenyl							
8 O C B	52364-73-5	○	C <sub>8</sub> H <sub>17</sub> O	CN		54.5	80.0
4-cyano-4'-octyloxy Biphenyl							
9 O C B			C <sub>9</sub> H <sub>19</sub> O	CN			
4-cyano-4'-nonyloxy Biphenyl							

 シアノビフェニルシクロヘキサン Cyano Biphenyl Cyclohexane							
品名	CAS No.	有無	Rn	CN	構造式	mp(°C)	NI(°C)
BCH3CN S162		○	C <sub>3</sub> H <sub>7</sub>	CN		132.4	229.8
4-cyano-4'-propyl Biphenyl Cyclohexane							
BCH5CN S153		○	C <sub>5</sub> H <sub>11</sub>	CN		98	241.5
4-cyano-4'-pentyl Biphenyl Cyclohexane							

 シアノタフェニル Cyano Taphenyl							
品名	CAS No.	有無	Rn	CN	構造式	mp(°C)	NI(°C)
5 C T			C <sub>5</sub> H <sub>11</sub>	CN		130	239
4-cyano-4'-pentyl Taphenyl							