

## 液晶材料一覧

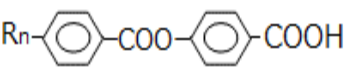
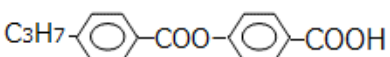
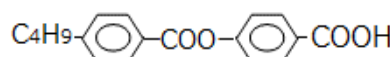
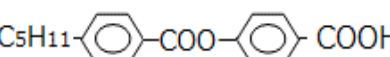
### カルボン酸液晶

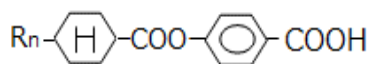
改訂(追加) 2021年2月19日 LCC

$R_n-O-\text{C}_6\text{H}_4-\text{COOH}$ アルコキシフェニールカルボン酸    Alkoxil Phenil Carboxylic Acid						
品名	CAS No.	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
PC02		C <sub>2</sub> H <sub>5</sub>	COOH	$C_2H_5-O-\text{C}_6\text{H}_4-\text{COOH}$	196	
				4-ethoxy phenil carboxylic acid		
PC05		C <sub>5</sub> H <sub>11</sub>	COOH	$C_5H_{11}-O-\text{C}_6\text{H}_4-\text{COOH}$	124	151
				4-penthoxy phenil carboxylic acid		
PC06		C <sub>6</sub> H <sub>13</sub>	COOH	$C_6H_{13}-O-\text{C}_6\text{H}_4-\text{COOH}$	105	153
				4-hexoxy phenil carboxylic acid		
PC07		C <sub>7</sub> H <sub>15</sub>	COOH	$C_7H_{15}-O-\text{C}_6\text{H}_4-\text{COOH}$	92	146
				4-hepttoxy phenil carboxylic acid		
PC08		C <sub>8</sub> H <sub>17</sub>	COOH	$C_8H_{17}-O-\text{C}_6\text{H}_4-\text{COOH}$	101	147
				4-octoxy phenil carboxylic acid		

$R_n-\text{C}_6\text{H}_{11}-\text{COOH}$ アルキルシクロヘキサンカルボン酸    Alkyl Cyclohexane Carboxylic Acid						
品名	CAS No.	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
C C 2	確認中	C <sub>2</sub> H <sub>5</sub>	COOH	$C_2H_5-\text{C}_6\text{H}_{11}-\text{COOH}$		
				4-ethyl cyclohexane carboxylic acid		
C C 3	38289-27-9	C <sub>3</sub> H <sub>7</sub>	COOH	$C_3H_7-\text{C}_6\text{H}_{11}-\text{COOH}$	93	95
				4-propyl cyclohexane carboxylic acid		
C C 4	38289-28-0	C <sub>4</sub> H <sub>9</sub>	COOH	$C_4H_9-\text{C}_6\text{H}_{11}-\text{COOH}$	41	94
				4-butyl cyclohexane carboxylic acid		
C C 5	38289-29-1	C <sub>5</sub> H <sub>11</sub>	COOH	$C_5H_{11}-\text{C}_6\text{H}_{11}-\text{COOH}$	53	100
				4-pentyl cyclohexane carboxylic acid		

		アルキルフェニルカルボン酸 Alkil Phenyl Carboxylic Acid				
品名	CAS No.	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
P C 4	20651-71-2	C <sub>4</sub> H <sub>9</sub>	COOH		99	113
				4-butyl phenyl carboxylic acid		
P C 5	26311-45-5	C <sub>5</sub> H <sub>11</sub>	COOH		88	126
				4-pentyl phenyl carboxylic acid		
P C 6	21643-38-9	C <sub>6</sub> H <sub>13</sub>	COOH		97	114
				4-hexyl phenyl carboxylic acid		
P C 7		C <sub>7</sub> H <sub>15</sub>	COOH		101	120
				4-heptyl phenyl carboxylic acid		
P C 8		C <sub>8</sub> H <sub>17</sub>	COOH		99	112
				4-octyl phenyl carboxylic acid		
P C 9		C <sub>9</sub> H <sub>19</sub>	COOH		98	115
				4-nonyl phenyl carboxylic acid		
P C 10		C <sub>10</sub> H <sub>21</sub>	COOH		94	109
				4-decyl phenyl carboxylic acid		

		alkyl Phenyl Estel Carboxylic Acid				
品名	CAS No.	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
PE3CA		C <sub>3</sub> H <sub>7</sub>	COOH		185	215
				4'-propyl phenyl ester carboxylic acid		
PE4CA		C <sub>4</sub> H <sub>9</sub>	COOH		191	238
				4'-butyl phenyl ester carboxylic acid		
PE5CA		C <sub>5</sub> H <sub>11</sub>	COOH		175	241
				4'-pentyl phenyl ester carboxylic acid		



alkyl **P**henyl **C**yclohexane **E**stel **C**arboxylic **A**cid

品名	CAS No.	R <sub>n</sub>	R <sub>m</sub>	構造式	mp(°C)	NI(°C)
PCE3CA		C <sub>3</sub> H <sub>7</sub>	COOH		209	217
		4'-propyl <b>p</b> henyl <b>c</b> yclohexane <b>e</b> stel <b>c</b> arboxylic <b>a</b> cid				
PCE4CA		C <sub>4</sub> H <sub>9</sub>	COOH		220	232
		4'-butyl <b>p</b> henyl <b>c</b> yclohexane <b>e</b> stel <b>c</b> arboxylic <b>a</b> cid				
PCE5CA		C <sub>5</sub> H <sub>11</sub>	COOH		196	214
		4'-pentyl <b>p</b> henyl <b>c</b> yclohexane <b>e</b> stel <b>c</b> arboxylic <b>a</b> cid				