


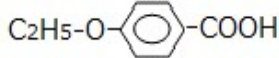
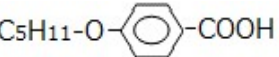
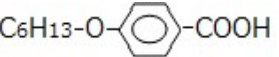
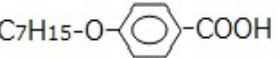
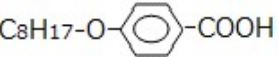
液晶材料一覧



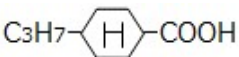


カルボン酸液晶

改訂(追加) 2023年02月03日 LCC


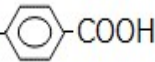
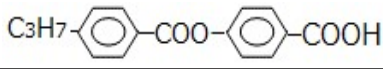
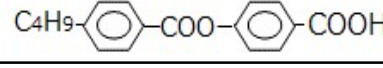
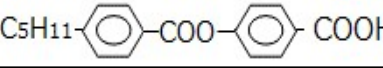
改訂(追加) 2023年04月25日 LCC


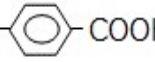
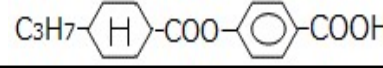
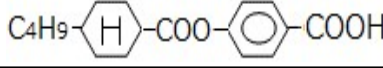
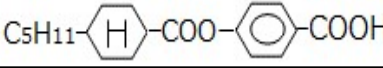
R_n --COOH		p -アルキル安息香酸		p -alkil Benzoic Acid			
品名	CAS No.	有無	R_n	R_m	構造式	mp(°C)	NI(°C)
C0BA S256			—	COOH	-COOH	124	—
					安息香酸 Benzoic Acid		
C1BA S257			C ₁ H ₉	COOH	CH ₃ --COOH		—
					p -メチル安息香酸 p -methyl Benzoic Acid		
C2BA S258	619-64-7		C ₂ H ₉	COOH	C ₂ H ₅ --COOH		—
					p -エチル安息香酸 p -ethyl Benzoic Acid		
C3BA S259			C ₃ H ₉	COOH	C ₃ H ₇ --COOH		—
					p -プロピル安息香酸 p -Propyl Benzoic Acid		
C4BA S260	20651-71-2		C ₄ H ₉	COOH	C ₄ H ₉ --COOH	99	113
					p -ブチル安息香酸 p -butyl Benzoic Acid		
C5BA S261	26311-45-5		C ₅ H ₁₁	COOH	C ₅ H ₁₁ --COOH	88	126
					p -ペンチル安息香酸 p -pentyl Benzoic Acid		
C6BA S262	21643-38-9		C ₆ H ₁₃	COOH	C ₆ H ₁₃ --COOH	97	114
					p -ヘキシル安息香酸 p -hexyl Benzoic Acid		
C7BA S263			C ₇ H ₁₅	COOH	C ₇ H ₁₅ --COOH	101	120
					p -ヘプチル安息香酸 p -heptyl Benzoic Acid		
C8BA S264			C ₈ H ₁₇	COOH	C ₈ H ₁₇ --COOH	99	112
					p -オクチル安息香酸 p -octyl Benzoic Acid		
C9BA S265			C ₉ H ₁₉	COOH	C ₉ H ₁₉ --COOH	98	115
					p -ノニル安息香酸 p -nonyl Benzoic Acid		
C10BA S266			C ₁₀ H ₂₁	COOH	C ₁₀ H ₂₁ --COOH	94	109
					p -デキシル安息香酸 4-decyl Benzoic Acid		

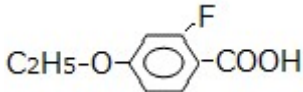
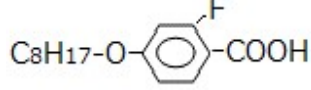
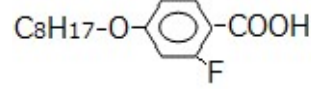
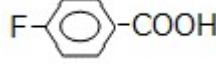
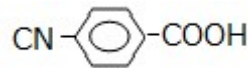
R _n -O-  -COOH アルコキシ安息香酸 p-alkoxil Benzoic Acid							
品名	CAS No.	有無	R _n	R _m	構造式	mp(°C)	NI(°C)
C2OBA (PCO2)	S 2 6 7		C ₂ H ₅ -O	COOH		196	
			エトキシ安息香酸 p-Ethoxybenzoic Acid				
C5OBA (PCO5)	S 2 6 8		C ₅ H ₁₁ -O	COOH		124	151
			ペントキシ安息香酸 p-Pentoxybenzoic Acid				
C6OBA (PCO6)	S 2 6 9		C ₆ H ₁₃ -O	COOH		105	153
			ヘクソキシ安息香酸 p-Hexoxybenzoic Acid				
C7OBA (PCO7)	S 2 7 0		C ₇ H ₁₅ -O	COOH		92	146
			ヘプトキシ安息香酸 p-Heptoxybenzoic Acid				
C8OBA (PCO8)	S 2 7 1		C ₈ H ₁₇ -O	COOH		101	147
			オクトキシ安息香酸 p-Octoxybenzoic Acid				

R _n -  -COOH トランス-4-アルキルシクロヘキサンカルボン酸 trans-4-alkyl Cyclohexane Carboxylic acid							
品名	CAS No.	有無	R _n	R _m	構造式	mp(°C)	NI(°C)
C2CA (2CCA)	S174	○	C ₂ H ₅	COOH			
			trans-4-ethyl cyclohexane carboxylic acid				
C3CA (3CCA)	S245 38289-27-9	○	C ₃ H ₇	COOH		93	95
	trans-4-propyl cyclohexane carboxylic acid						
C4CA (4CCA)	S175 38289-28-0	○	C ₄ H ₉	COOH		41	94
	trans-4-butyl cyclohexane carboxylic acid						
C5CA (5CCA)	S246 38289-29-1	○	C ₅ H ₁₁	COOH		53	100
	trans-4-pentyl cyclohexane carboxylic acid						

カルボン酸単品の混合については混合液晶を参照してください。

R_n -  -COO-  -COOH alkyl Phenyl Estel Benzoic acid							
品名	CAS No.	有無	R_n	R_m	構造式	mp(°C)	NI(°C)
PE3BA			C ₃ H ₇	COOH		185	215
			4'-propyl phenyl estel benzoic acid				
PE4BA			C ₄ H ₉	COOH		191	238
			4'-butyl phenyl estel benzoic acid				
PE5BA			C ₅ H ₁₁	COOH		175	241
			4'-pentyl phenyl estel benzoic acid				

R_n -  -COO-  -COOH alkyl Cyclohexane Estel Benzoic acid							
品名	CAS No.	有無	R_n	R_m	構造式	mp(°C)	NI(°C)
CE3BA			C ₃ H ₇	COOH		209	217
			4'-propyl cyclohexane estel benzoic acid				
CE4BA			C ₄ H ₉	COOH		220	232
			4'-butyl cyclohexane estel benzoic acid				
CE5BA			C ₅ H ₁₁	COOH		196	214
			4'-pentyl cyclohexane estel benzoic acid				

1-alkoxy, 3-F Benzoic acid							
品名	CAS No.	有無	R_n	R_m	構造式	mp(°C)	NI(°C)
C ₂ O(3-F)BA	S 2 5 0		C ₂ H ₅ O	COOH			
C ₈ O(3-F)BA	S 2 5 1		C ₈ H ₁₇ O	COOH			
C ₈ O(5-F)BA	S 2 5 2		C ₈ H ₁₇ O	COOH			
FBA	S 2 4 8	○	F	COOH			
CNBA	S 2 4 9		CN	COOH			

エトキシベンゾニトリル

品名	CAS No.	有無	R _n	R _m	構造式	mp(°C)	NI(°C)
C2OBCN	25117-74-2		C ₂ H ₅ O	CN	 <chem>CCOC1=CC=CC=C1C#N</chem>	65	—