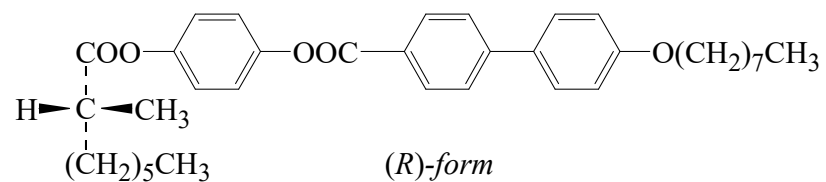




>>Entry Name: 4-[[[(1-Methylheptyl)oxy]carbonyl]phenyl 4'-(octyloxy)-(1,1'-biphenyl)-4-carboxylate, 9CI



**CAS Registry Number:** 123286-51-1

**Related CAS Registry Numbers(s):** 103376-72-3 115305-01-6

**Molecular Formula:** C<sub>36</sub>H<sub>46</sub>O<sub>5</sub>

**Molecular Weight:** 558.756

**Accurate Mass:** 558.334525

**Percentage Composition:** C 77.39%; H 8.30%; O 14.32%

**Use/Importance:** Chiral liquid crystal

>>Variant: (R)-form

**Molecular Formula:** C<sub>36</sub>H<sub>46</sub>O<sub>5</sub>

**Molecular Weight:** 558.756

**Accurate Mass:** 558.334525

**Percentage Composition:** C 77.39%; H 8.30%; O 14.32%

**Optical Rotation:**  $[\alpha]_{\text{D}}^{20} -25$  (c, 5 in Me<sub>2</sub>CO)

>>Variant: (S)-form

**CAS Registry Number:** 112901-67-4

**Molecular Formula:** C<sub>36</sub>H<sub>46</sub>O<sub>5</sub>

**Molecular Weight:** 558.756

**Accurate Mass:** 558.334525

**Percentage Composition:** C 77.39%; H 8.30%; O 14.32%

**Optical Rotation:**  $[\alpha]_{\text{D}}^{20} +27$  (c, 5 in Me<sub>2</sub>CO)

#### References:

*Eur. Pat.*, 1991, 418 604; *CA*, **115**, 218987s, (*synth, props, ir*)

Sun, H. *et al.*, *J. Phys. Soc. Jpn.*, 1991, **60**, 4175; 1993, **62**, 2066, (*props*)