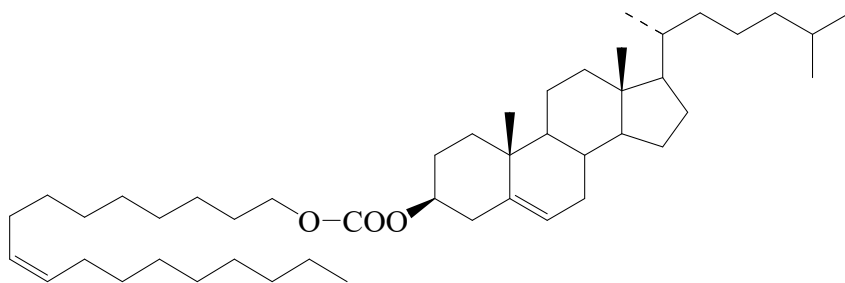




>>Entry Name: Cholesteryl 9-octadecenyl carbonate

Synonym(s): Cholest-5-en-3-ol 9-octadecenylcarbonate, 9Cl. Cholesteryl oleyl carbonate



CAS Registry Number: 17110-51-9

Molecular Formula: $C_{46}H_{80}O_3$

Molecular Weight: 681.136

Accurate Mass: 680.610745

Percentage Composition: C 81.12%; H 11.84%; O 7.05%

Use/Importance: Liq. cryst. used in thermal radiography

References:

U.K. Pat., 1966, 1 041 490; *CA*, **65**, 17689c, (*use*)

Keyes, P.H. *et al.*, *J. Chem. Phys.*, 1975, **63**, 5006-5010, (*props*)

Elser, W. *et al.*, *Mol. Cryst. Liq. Cryst.*, 1976, **36**, 279-292, (*synth, props*)

Gray, G.W. *et al.*, *Mol. Cryst. Liq. Cryst.*, 1979, **53**, 263-270, (*synth, props*)

Somashekar, R. *et al.*, *Mol. Cryst. Liq. Cryst.*, 1982, **84**, 31-37, (*props*)