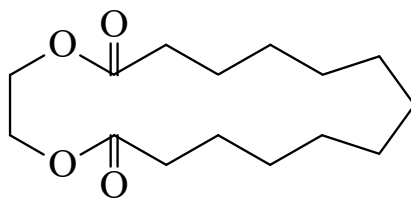




>>Entry Name: 1,4-Dioxacycloheptadecane-5,17-dione, 9CI

Synonym(s): Ethylene brassylate. Astratone. Musk T



CAS Registry Number: 105-95-3

Molecular Formula: C₁₅H₂₆O₄

Molecular Weight: 270.368

Accurate Mass: 270.18311

Percentage Composition: C 66.64%; H 9.69%; O 23.67%

Use/Importance: Component of fragrances for soaps, detergents, food etc.

Physical Description: Oil with sweetish musky odour

Boiling Point: Bp_{2.5} 160-170° (lit. gives a pressure range)

Refractive Index: n_D²⁰ 1.4702

Other: Creanova (bulk supplier)

References:

Opdyke, D.L.J. *et al.*, *Food Cosmet. Toxicol.*, 1975, **13**, 91, (*synth*)

U.S. Pat., 1982, 4 331 603; *CA*, **97**, 72395h, (*synth*)

U.S.S.R. Pat., 1984, 1 077 893; *CA*, **104**, 68894r, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, EJQ500