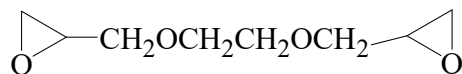




>>Entry Name: 1,2-Bis(2,3-epoxypropoxy)ethane, 8Cl

Synonym(s): 2,2'-[1,2-Ethanediylbis(oxymethylene)]bisoxirane, 9Cl. Ethylene glycol diglycidyl ether



CAS Registry Number: 2224-15-9

Molecular Formula: C₈H₁₄O₄

Molecular Weight: 174.196

Accurate Mass: 174.08921

Percentage Composition: C 55.16%; H 8.10%; O 36.74%

Use/Importance: Cross-linking agent in polymers

Physical Description: Liq.

Boiling Point: Bp_{0.02} 80°

Refractive Index: n_D²⁰ 1.4540

Other Data: Doubtless a mixt. of diastereomers

Aldrich: E2720-3

Rare Chemicals Library: S34842-2

References:

Cohen, S.G. *et al.*, *J.A.C.S.*, 1953, **75**, 1733, (*synth*)

Gu, X.P. *et al.*, *Synthesis*, 1985, 649-651, (*synth, pmr, ms*)