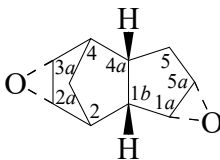




>>Entry Name: Octahydro-2,4-methano-2*H*-indeno[1,2-*b*:5,6-*b'*]bisoxirene, 9Cl

Synonym(s): 1,2:5,6-Diepoxyhexahydro-4,7-methanoindan, 8Cl. Bicyclopentadiene dioxide. Dicyclopentadiene diepoxide. α -Dicyclopentadiene dioxide. 4,5:8,9-Diepoxytricyclo[5.2.1.0^{2,6}]decane



(1 α ,1*b* β ,2 β ,2 α ,3 α ,4*b*,4 α β ,5 α)-form

CAS Registry Number: 81-21-0

Molecular Formula: C₁₀H₁₂O₂

Molecular Weight: 164.204

Accurate Mass: 164.08373

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Use/Importance: Used in manuf. of epoxy resins, and as a fungicide, stabiliser for halogen-containing polymers and as component of photoresist compositions

Rare Chemicals Library: S41998-2

>>Variant: (1 α ,1*b* α ,2 α ,2 α β ,3 α β ,4 α ,4 α α ,5 α)-form

CAS Registry Number: 70681-73-1

Molecular Formula: C₁₀H₁₂O₂

Molecular Weight: 164.204

Accurate Mass: 164.08373

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Physical Description: Cryst. (petrol)

Melting Point: Mp 76-77°

>>Variant: (1 α ,1*b* α ,2 β ,2 α α ,3 α α ,4 β ,4 α α ,5 α)-form

CAS Registry Number: 70681-74-2

Molecular Formula: C₁₀H₁₂O₂

Molecular Weight: 164.204

Accurate Mass: 164.08373

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Boiling Point: Bp₆ 126°

Density: d₄²⁵ 1.21

Refractive Index: n_D²⁵ 1.5211

>>Variant: (1 α ,1*b* β ,2 α ,2 α β ,3 α β ,4 α ,4 α β ,5 α)-form

CAS Registry Number: 19773-45-6

Molecular Formula: C₁₀H₁₂O₂

Molecular Weight: 164.204

Accurate Mass: 164.08373

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Melting Point: Mp 39-42°

Boiling Point: Bp₄ 119-121°

>>Variant: (1 α ,1*b* β ,2 β ,2 α α ,3 α α ,4 β ,4 α β ,5 α)-form

CAS Registry Number: 24560-94-9

Molecular Formula: C₁₀H₁₂O₂

Molecular Weight: 164.204

Accurate Mass: 164.08373

Percentage Composition: C 73.15%; H 7.37%; O 19.49%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 189°

Boiling Point: Subl.₁₀ 120-135°

References: