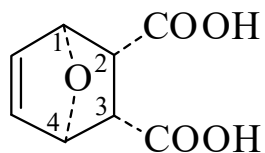




>>Entry Name: 7-Oxabicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, 9CI

Synonym(s): 3,6-Epoxy- Δ^4 -tetrahydrophthalic acid



(1 α ,2 α ,3 α ,4 α)-form

CAS Registry Number: 5629-08-3

Related CAS Registry Numbers(s): 59985-42-1

Molecular Formula: C₈H₈O₅

Molecular Weight: 184.148

Accurate Mass: 184.037175

Percentage Composition: C 52.18%; H 4.38%; O 43.44%

Rare Chemicals Library: S89504-0

>>Variant: (1 α ,2 α ,3 α ,4 α)-form

Synonym(s): *exo,exo*-form

CAS Registry Number: 28871-62-7

Molecular Formula: C₈H₈O₅

Molecular Weight: 184.148

Accurate Mass: 184.037175

Percentage Composition: C 52.18%; H 4.38%; O 43.44%

Melting Point: Mp 122-123°

Other Data: Polym. by aq. ring-opening metathesis polym. with RuCl₃ and OsCl₃ catalysts

>>Derivative: Anhydride

Synonym(s): 3 α ,4,7,7 α -Tetrahydro-4,7-epoxyisobenzofuran-1,3-dione, 9CI

CAS Registry Number: 6118-51-0

Molecular Formula: C₈H₆O₄

Molecular Weight: 166.133

Accurate Mass: 166.02661

Percentage Composition: C 57.84%; H 3.64%; O 38.52%

Source/Synthesis: Synth. by Diels-Alder reaction of furan and maleic anhydride

Physical Description: Needles (Et₂O)

Melting Point: Mp 125° (116-117°)

Other Data: Undergoes radical polym.

Aldrich: 33073-6

>>Variant: (1 α ,2 β ,3 β ,4 α)-form

Synonym(s): *endo,endo*-form

CAS Registry Number: 51112-81-3

Molecular Formula: C₈H₈O₅

Molecular Weight: 184.148

Accurate Mass: 184.037175

Percentage Composition: C 52.18%; H 4.38%; O 43.44%

Use/Importance: Herbicide (as Na salt)

Melting Point: Mp 148-149 dec.°

>>Derivative: Anhydride

CAS Registry Number: 5426-09-5

Melting Point: Mp 80-82 dec.°

>>Variant: (1 α ,2 α ,3 β ,4 α)-form

Synonym(s): *trans*-form. *endo,exo*-form