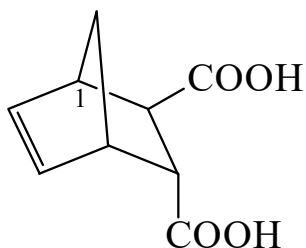




>>Entry Name: Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid

Synonym(s): 5-Norbornene-2,3-dicarboxylic acid, 8Cl. Himic acid



(1*R**,2*R**,3*R**,4*S**)-form

CAS Registry Number: 3813-52-3

Related CAS Registry Numbers(s): 3647-74-3 5826-73-3 36897-94-6

Molecular Formula: C₉H₁₀O₄

Molecular Weight: 182.176

Accurate Mass: 182.05791

Percentage Composition: C 59.34%; H 5.53%; O 35.13%

Rare Chemicals Library: S42809-4

>>Variant: (1*R**,2*R**,3*R**,4*S**)-form

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

CAS Registry Number: 1200-88-0

Molecular Formula: C₉H₁₀O₄

Molecular Weight: 182.176

Accurate Mass: 182.05791

Percentage Composition: C 59.34%; H 5.53%; O 35.13%

Melting Point: Mp 166-168°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +89$ (Me₂CO)

pKa Value: p*K*_{a2} 5.65

Aldrich: 46003-6

>>Derivative: Bis(diethylamide)

see Endomide, [BQX63-W](#)

>>Variant: (1*RS*,2*RS*,3*RS*,4*SR*)-form

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

CAS Registry Number: 70095-09-9

Molecular Formula: C₉H₁₀O₄

Molecular Weight: 182.176

Accurate Mass: 182.05791

Percentage Composition: C 59.34%; H 5.53%; O 35.13%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 190°

>>Derivative: Di-Me ester

CAS Registry Number: 39589-98-5

Molecular Formula: C₁₁H₁₄O₄

Molecular Weight: 210.229

Accurate Mass: 210.08921

Percentage Composition: C 62.85%; H 6.71%; O 30.44%

Melting Point: Mp 37-39°

Boiling Point: Bp₉ 132°

>>Derivative: Dichloride

CAS Registry Number: 4582-21-2

Molecular Formula: C₉H₈Cl₂O₂

Molecular Weight: 219.066

Accurate Mass: 217.990134

Percentage Composition: C 49.35%; H 3.68%; Cl 32.37%; O 14.61%

Boiling Point: Bp₁₁ 114-118°

Aldrich: 11415-4