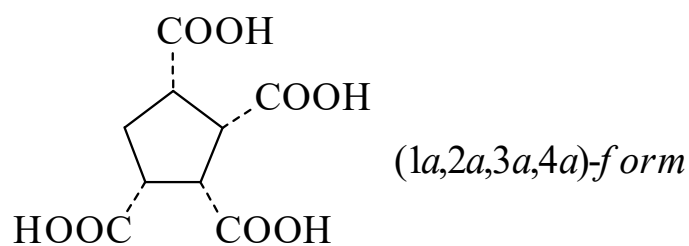




>>Entry Name: 1,2,3,4-Cyclopentanetetracarboxylic acid, 9CI



CAS Registry Number: 3724-52-5

Related CAS Registry Numbers(s): 6053-68-5

Molecular Formula: C₉H₁₀O₈

Molecular Weight: 246.173

Accurate Mass: 246.03757

Percentage Composition: C 43.91%; H 4.09%; O 51.99%

>>Variant: (1 α ,2 α ,3 α ,4 α)-form

CAS Registry Number: 3786-91-2

Molecular Formula: C₉H₁₀O₈

Molecular Weight: 246.173

Accurate Mass: 246.03757

Percentage Composition: C 43.91%; H 4.09%; O 51.99%

Melting Point: Mp 195°

Aldrich: C11210-0

>>Derivative: Tetra-Me ester

CAS Registry Number: 19705-46-5

Molecular Formula: C₁₃H₁₈O₈

Molecular Weight: 302.28

Accurate Mass: 302.10017

Percentage Composition: C 51.66%; H 6.00%; O 42.34%

Melting Point: Mp 169°

>>Derivative: Monoanhydride

Molecular Formula: C₉H₈O₇

Molecular Weight: 228.158

Accurate Mass: 228.027005

Percentage Composition: C 47.38%; H 3.53%; O 49.09%

Melting Point: Mp 198°

>>Derivative: Dianhydride

Synonym(s): Tetrahydro-1*H*-cyclopenta[1,2-*c*:3,4-*c'*]difuran-1,3,4,6(3*aH*)-tetrone, 9CI

CAS Registry Number: 4802-47-5

Molecular Formula: C₉H₆O₆

Molecular Weight: 210.143

Accurate Mass: 210.01644

Percentage Composition: C 51.44%; H 2.88%; O 45.68%

Melting Point: Mp 222°

>>Variant: (1 α ,2 β ,3 α ,4 α)-form

Molecular Formula: C₉H₁₀O₈

Molecular Weight: 246.173

Accurate Mass: 246.03757

Percentage Composition: C 43.91%; H 4.09%; O 51.99%

Physical Description: Cryst. + ½H₂O

Melting Point: Mp 183-185 dec.°

>>Derivative: Tetra-Me ester

Boiling Point: Bp₁₂ 205-210°