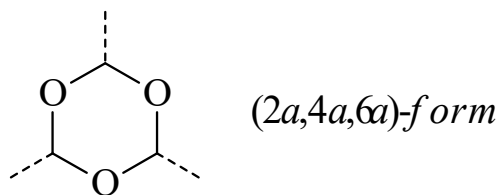




>>Entry Name: 2,4,6-Trimethyl-1,3,5-trioxane, 9CI

Synonym(s): Paraldehyde. Paraacetaldehyde. Paral



CAS Registry Number: 123-63-7

Molecular Formula: C₆H₁₂O₃

Molecular Weight: 132.159

Accurate Mass: 132.078645

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Source/Synthesis: Manuf. from acetaldehyde in presence of acid catalysts

Use/Importance: Hypnotic, anticonvulsant, source of Acetaldehyde [DFR74-T](#) in chemical synth.

Calculated Log P Data: Log P 1 (calc)

Other Data: Gives acetaldehyde on warming with few drops of conc. H₂SO₄ or boiling with dil. HCl

Hazard & Toxicity: Highly flammable, fl. p. 17°, autoignition temp. 235/238°. Eye and skin irritant. Narcotic vapour

Fluka: 76260

Rare Chemicals Library: S43040-4

Sigma: P5520

>>Variant: (2α,4α,6α)-form

Synonym(s): *cis*-form

CAS Registry Number: 1499-02-1

Molecular Formula: C₆H₁₂O₃

Molecular Weight: 132.159

Accurate Mass: 132.078645

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Physical Description: Liq.

Melting Point: Mp 12.4°

Boiling Point: Bp 128°

Solubility: Spar. sol. H₂O

>>Variant: (2α,4α,6β)-form

Synonym(s): *cis-trans*-form

CAS Registry Number: 1423-82-1

Molecular Formula: C₆H₁₂O₃

Molecular Weight: 132.159

Accurate Mass: 132.078645

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Physical Description: Liq.

Melting Point: Mp 14.7°

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