



>>Derivative: Dibenzyl ester

CAS Registry Number: 2449-05-0

Molecular Formula: C₁₆H₁₄N₂O₄

Molecular Weight: 298.298

Accurate Mass: 298.095358

Percentage Composition: C 64.42%; H 4.73%; N 9.39%; O 21.45%

Melting Point: Mp 44-52°

Aldrich: 16680-4

Fluka: 11620

>>Derivative: Bis(2,2,2-trichloroethyl) ester

CAS Registry Number: 38857-88-4

Molecular Formula: C₆H₄Cl₆N₂O₄

Molecular Weight: 380.825

Accurate Mass: 377.83022

Percentage Composition: C 18.92%; H 1.06%; Cl 55.86%; N 7.36%; O 16.80%

Use/Importance: Used in the synth. of acid and base sensitive azo compds., and in Diels-Alder cycloadditions

Physical Description: Yellow cryst.

Melting Point: Mp 109-110.5°

Aldrich: 29153-6

Fluka: 11623

>>Derivative: Diamide

Synonym(s): Azoformamide. Azodicarbonamide. Azodicarboxamide. Diazenedicarboxamide. AZM 2S. Azobis CA 110B. Azobis CA 51C. Azocel. Azoform A. Azoplastone. Celogen AZ. Evipor. Genitron EPC. Paramid K1. Vinyfor

CAS Registry Number: 123-77-3

Molecular Formula: C₂H₄N₄O₂

Molecular Weight: 116.079

Accurate Mass: 116.033426

Percentage Composition: C 20.69%; H 3.47%; N 48.27%; O 27.57%

Use/Importance: Blowing agent for foams

Physical Description: Orange cryst.

Melting Point: Mp 225° (180°)

Solubility: Sol. hot H₂O

Aldrich: W50471-8

Fluka: 11621

>>Derivative: Bis(dimethylamide)

Synonym(s): Tetramethyldiazenedicarboxamide, 9Cl. 1,1'-Azobis[*N,N*-dimethylformamide], 8Cl. Tetramethylazodicarboxamide. Diamide

CAS Registry Number: 10465-78-8

Molecular Formula: C₆H₁₂N₄O₂

Molecular Weight: 172.186

Accurate Mass: 172.096026

Percentage Composition: C 41.85%; H 7.02%; N 32.54%; O 18.58%

Physical Description: Long yellow needles (hexane/C₆H₆)

Melting Point: Mp 112-113°

Aldrich: 19315-1

Fluka: 87751

Sigma: D3648

>>Derivative: Dinitrile

see Diazenedicarbonitrile, [MFW79-S](#)

References: