



>>Derivative: Bisphenylhydrazone

Synonym(s): Benzil osazone

Molecular Formula: C₂₆H₂₂N₄

Molecular Weight: 390.487

Accurate Mass: 390.184446

Percentage Composition: C 79.97%; H 5.68%; N 14.35%

Physical Description: Needles

Melting Point: Mp 225° (rapid heat)

Other Data: Three stereoisomers known (cf. oximes)

>>Derivative: Anil

Synonym(s): Phenyliminodeoxybenzoin

Molecular Formula: C₂₀H₁₅NO

Molecular Weight: 285.345

Accurate Mass: 285.115364

Percentage Composition: C 84.19%; H 5.30%; N 4.91%; O 5.61%

Physical Description: Yellow prisms (EtOH)

Melting Point: Mp 105°

>>Derivative: Bis(2-pyridinylhydrazone)

see Diphenylethanedione bis(2-pyridinylhydrazone), [KGX18-P](#)

>>Derivative: Mono(2-quinolinylhydrazone)

see Diphenylethanedione mono(2-quinolinylhydrazone), [KGX20-K](#)

>>Derivative: Mono(pyrazinylhydrazone)

see Diphenylethanedione mono(pyrazinylhydrazone), [LHL62-I](#)

>>Derivative: Mono(di-Me ketal)

Synonym(s): 2,2-Dimethoxy-1,2-diphenylethanone, 9CI. Benzoyldimethoxyphenylmethane. Irgacure 651

CAS Registry Number: 24650-42-8

Molecular Formula: C₁₆H₁₆O₃

Molecular Weight: 256.301

Accurate Mass: 256.109945

Percentage Composition: C 74.98%; H 6.29%; O 18.73%

Use/Importance: Catalyst for photochemical polymer crosslinking

Physical Description: Prisms or cryst. (C₆H₆)

Melting Point: Mp 63-64°

References:

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