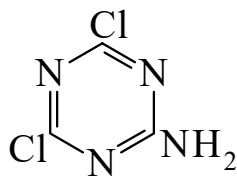




>>Entry Name: 2-Amino-4,6-dichloro-1,3,5-triazine

Synonym(s): 4,6-Dichloro-1,3,5-triazin-2-amine, 9Cl



CAS Registry Number: 933-20-0

Molecular Formula: C₃H₂Cl₂N₄

Molecular Weight: 164.981

Accurate Mass: 163.96565

Percentage Composition: C 21.84%; H 1.22%; Cl 42.98%; N 33.96%

Physical Description: Powder

Melting Point: Mp 235-236° (228-231°)

Other Data: Dec. in moist air

>>Derivative: *N*-Me

Molecular Formula: C₄H₄Cl₂N₄

Molecular Weight: 179.008

Accurate Mass: 177.9813

Percentage Composition: C 26.84%; H 2.25%; Cl 39.61%; N 31.30%

Melting Point: Mp 160-161°

>>Derivative: *N*-Et

Synonym(s): 4,6-Dichloro-*N*-ethyl-1,3,5-triazin-2-amine, 9Cl. 2,4-Dichloro-6-ethylamino-1,3,5-triazine. Etatryn

Molecular Formula: C₅H₆Cl₂N₄

Molecular Weight: 193.035

Accurate Mass: 191.99695

Percentage Composition: C 31.11%; H 3.13%; Cl 36.73%; N 29.02%

Use/Importance: Herbicide

Melting Point: Mp 106-107°

>>Derivative: *N,N*-Di-Et

Molecular Formula: C₇H₁₀Cl₂N₄

Molecular Weight: 221.088

Accurate Mass: 220.02825

Percentage Composition: C 38.03%; H 4.56%; Cl 32.07%; N 25.34%

Melting Point: Mp 79-80°

>>Derivative: *N*-Ph

Synonym(s): 2-Anilino-4,6-dichloro-1,3,5-triazine

CAS Registry Number: 2272-40-4

Molecular Formula: C₉H₆Cl₂N₄

Molecular Weight: 241.079

Accurate Mass: 239.99695

Percentage Composition: C 44.84%; H 2.51%; Cl 29.41%; N 23.24%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 133-135°

References:

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Ashley, J.N. *et al.*, *J.C.S.*, 1960, 4525, (*synth, derivs*)

Ross, J.A. *et al.*, *Org. Mass Spectrom.*, 1970, **3**, 219, (*ms*)

Zerkowski, J.A. *et al.*, *J.A.C.S.*, 1994, **116**, 2382, (*synth*)