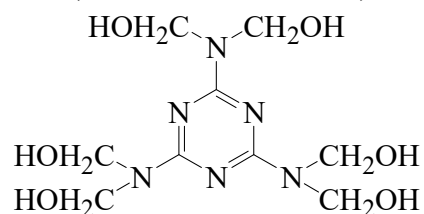




>>Entry Name: 2,4,6-Tris[bis(hydroxymethyl)amino]-1,3,5-triazine

Synonym(s): (1,3,5-Triazine-2,4,6-triyltrinitrilo)hexakismethanol, 9Cl. (s-Triazine-2,4,6-trinitrilo)hexamethanol, 8Cl. Hexamethylolmelamine



CAS Registry Number: 531-18-0

Molecular Formula: C₉H₁₈N₆O₆

Molecular Weight: 306.278

Accurate Mass: 306.128784

Percentage Composition: C 35.29%; H 5.92%; N 27.44%; O 31.34%

Use/Importance: Used in fireproofing and creaseproofing textile finishes

Melting Point: Mp 135-139°

>>Derivative: Hexa-Me ether

Synonym(s): 2,4,6-Tris[bis(methoxymethyl)amino]-1,3,5-triazine. *N,N,N',N',N'',N''*-Hexakis(methoxymethyl)-1,3,5-triazine-2,4,6-triamine, 9Cl. Hexakis(methoxymethyl)melamine, 8Cl

CAS Registry Number: 3089-11-0

Molecular Formula: C₁₅H₃₀N₆O₆

Molecular Weight: 390.439

Accurate Mass: 390.222684

Percentage Composition: C 46.14%; H 7.74%; N 21.52%; O 24.59%

Use/Importance: Used in retentive textile finishes

Physical Description: Cryst. (petrol)

Melting Point: Mp 55° (47-49°)

Boiling Point: Bp_{0.025} 180°

References:

- Gams, A. *et al.*, *Helv. Chim. Acta*, 1941, **24**, 302E-319E, (*hexa-Me ether*)
Dixon, J.K. *et al.*, *J.A.C.S.*, 1947, **69**, 599-603, (*hexa-Me ether, props*)
Schoenenberger, H. *et al.*, *Arzneim.-Forsch.*, 1965, **15**, 30-36, (*hexa-Me ether*)
Anderson, D.G. *et al.*, *J. Appl. Polym. Sci.*, 1970, **14**, 3021-3032, (*synth*)
Schindlbauer, H. *et al.*, *Angew. Makromol. Chem.*, 1979, **79**, 157-162, (*cmr*)
Nowak, D., *Przem. Chem.*, 1980, **59**, 262-266; *CA*, **93**, 132451c, (*hexa-Me ether*)
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