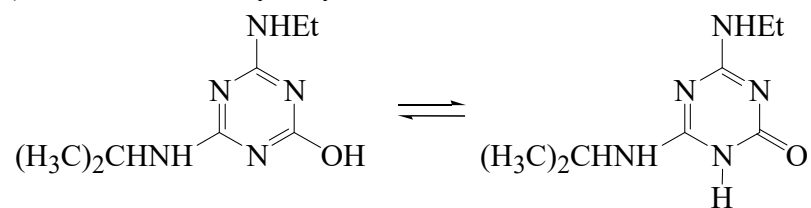




>>Entry Name: 4-(Ethylamino)-6-[(1-methylethyl)amino]-1,3,5-triazin-2(1H)-one, 9Cl

Synonym(s): 4-(Ethylamino)-6-(isopropylamino)-s-triazin-2-ol, 8Cl. Hydroxyatrazine



CAS Registry Number: 2163-68-0

Molecular Formula: C₈H₁₅N₅O

Molecular Weight: 197.239

Accurate Mass: 197.12766

Percentage Composition: C 48.72%; H 7.67%; N 35.51%; O 8.11%

Use/Importance: Metab. and environmental degradn. prod. of Atrazine [DKW85-F](#)

Other Data: Dec. >250°

>>Variant: OH-form

Molecular Formula: C₈H₁₅N₅O

Molecular Weight: 197.239

Accurate Mass: 197.12766

Percentage Composition: C 48.72%; H 7.67%; N 35.51%; O 8.11%

>>Derivative: Me ether

Synonym(s): N-Ethyl-6-methoxy-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine, 9Cl. Atratone. Gestatamin™

CAS Registry Number: 1610-17-9

Molecular Formula: C₉H₁₇N₅O

Molecular Weight: 211.266

Accurate Mass: 211.14331

Percentage Composition: C 51.17%; H 8.11%; N 33.15%; O 7.57%

Use/Importance: Non-selective herbicide. Now superseded

Melting Point: Mp 94°

References:

- Knüsli, E. *et al.*, *Phytiatr.-Phytopharm.*, 1958, **7**, 81-92, (*Me ether, biochem*)
Chen, J.Y.T., *J. Assoc. Off. Anal. Chem.*, 1967, **50**, 595-600, (*ir*)
Pape, B.E. *et al.*, *J. Agric. Food Chem.*, 1970, **18**, 202-207, (*synth, Me ether*)
Flint, G., *J. Chromatogr.*, 1970, **52**, 487-490, (*glc*)
Skipper, H.D. *et al.*, *J. Agric. Food Chem.*, 1976, **24**, 126-129, (*ir, tautom*)
Tseng, C.K. *et al.*, *Org. Magn. Reson.*, 1977, **10**, 224-225, (*synth, cmr, Me ether*)
Samara, C. *et al.*, *Fresenius Environ. Bull.*, 1994, **3**, 534-539, (*detn, hplc*)
Pesticide Manual, 11th edn., 1997, No. 782, (*Me ether*)