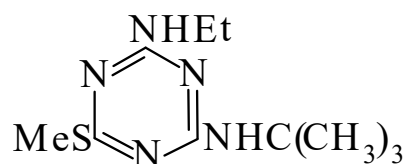




>>Entry Name: Terbutryn, BSI

Synonym(s): *N*-(1,1-Dimethylethyl)-*N'*-ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine, 9Cl. 2-*tert*-Butylamino-4-ethylamino-6-methylthio-1,3,5-triazine. Igran. Clarosan. Prebane. Terbutyryne



CAS Registry Number: 886-50-0

Related CAS Registry Numbers(s): 134394-65-3

Molecular Formula: C₁₀H₁₉N₅S

Molecular Weight: 241.36

Accurate Mass: 241.136115

Percentage Composition: C 49.76%; H 7.93%; N 29.02%; S 13.29%

Use/Importance: Selective herbicide

Physical Description: Powder

Melting Point: Mp 104-105°

Solubility: V. spar. sol. H₂O; sol. most org. solvs.

pKa Value: p*K*_a 4

Hazard & Toxicity: Skin and eye irritant. LD₅₀ (rat, orl) 2045 mg/kg

Supelco: 4-9091

>>Derivative: *S*-Oxide

Synonym(s): Terbutryn sulfoxide

CAS Registry Number: 82985-33-9

Molecular Formula: C₁₀H₁₉N₅OS

Molecular Weight: 257.359

Accurate Mass: 257.13103

Percentage Composition: C 46.67%; H 7.44%; N 27.21%; O 6.22%; S 12.46%

Source/Synthesis: Metab. of Terbutryn

References:

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Huwe, J.K. *et al.*, *Xenobiotica*, 1991, **21**, 179, (*S-oxides*)

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