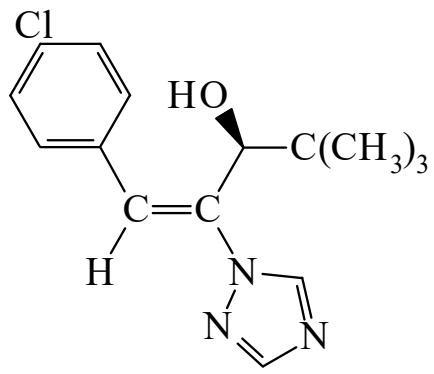
>>**Entry Name: Uniconazole,** ANSI, BSI

Synonym(s): β-[(4-Chlorophenyl)methylene]-α-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol, 9Cl. 1-(4-Chlorophenyl)-4,4-dimethyl-2-(1*H*-1,2,4-triazol-1-yl)pent-1-en-3-ol. S 3307D



(*S*,*E*)-*form*

CAS Registry Number: 70217-33-3
Related CAS Registry Numbers(s): 76713-90-1 76714-83-5 83657-16-3 83657-17-4 91237-21-7 98243-94-8 100761-65-7 104757-48-4

Molecular Formula: $C_{15}H_{18}ClN_3O$
Molecular Weight: 291.779
Accurate Mass: 291.113839
Percentage Composition: C 61.75%; H 6.22%; Cl 12.15%; N 14.40%; O 5.48%

>>**Variant:** (±)-(*E*)-form

CAS Registry Number: 83657-22-1
Molecular Formula: $C_{15}H_{18}ClN_3O$
Molecular Weight: 291.779
Accurate Mass: 291.113839
Percentage Composition: C 61.75%; H 6.22%; Cl 12.15%; N 14.40%; O 5.48%
Use/Importance: Plant growth regulator. Gibberellin synth. inhibitor
Physical Description: Cryst.
Melting Point: Mp 147-164°
Other Data: (*S*)-enantiomer more active, known as Uniconazole-P
Hazard & Toxicity: LD_{50} (rat, orl) 2020 mg/kg

References:

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Funaki, Y. *et al.*, *Nippon Noyaku Gakkaishi*, 1984, **9**, 229; *CA*, **102**, 19468e, *(synth, activity)*
Izumi, K. *et al.*, *Plant Cell Physiol.*, 1984, **25**, 611; 1985, **26**, 821, *(activity)*
Fletcher, R.A. *et al.*, *Plant Cell Physiol.*, 1986, **27**, 367, *(activity, props)*
Noguchi, H., *Jpn. Pestic. Inf.*, 1987, **51**, 15, *(rev, activity, use)*
Izumi, K. *et al.*, *Gibberellins*, 1989, 330, *(rev, activity)*
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