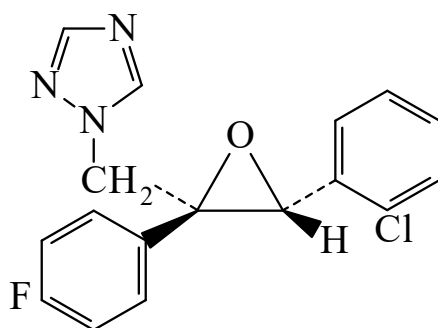




>>Entry Name: Epoxiconazole, BSI

Synonym(s): 1-[[3-(2-Chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1*H*-1,2,4-triazole, 9Cl. 2-(2-Chlorophenyl)-1-(4-fluorophenyl)-1-(1,2,4-triazol-1-ylmethyl)oxirane. BAS 480F



CAS Registry Number: 106325-08-0

Related CAS Registry Numbers(s): 122986-04-3

Molecular Formula: C₁₇H₁₃ClFN₃O

Molecular Weight: 329.76

Accurate Mass: 329.073117

Percentage Composition: C 61.92%; H 3.97%; Cl 10.75%; F 5.76%; N 12.74%; O 4.85%

>>Variant: (2*RS*,3*RS*)-form

Synonym(s): (±)-*cis*-form

CAS Registry Number: 133855-98-8

Type of Compound Code(s): XA1550

Molecular Formula: C₁₇H₁₃ClFN₃O

Molecular Weight: 329.76

Accurate Mass: 329.073117

Percentage Composition: C 61.92%; H 3.97%; Cl 10.75%; F 5.76%; N 12.74%; O 4.85%

Biological Use/Importance: Plant growth regulator and fungicide

Physical Description: Cryst.

Melting Point: Mp 136°

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

References:

Ger. Pat., 1989, 3 737 888; *CA*, **112**, 32141u, (*synth, activity*)

Askers, A. *et al.*, *Br. Crop Prot. Conf. - Pests Dis., Proc.*, 1990, 407; 831; 837, (*use, metab*)

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