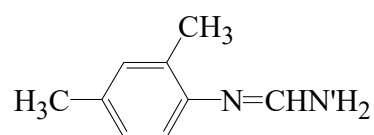




>>Entry Name: *N*-(2,4-Dimethylphenyl)methanimidamide, 9CI

Synonym(s): *N*-2,4-Xylylformamidine



Molecular Formula: C₉H₁₂N₂

Molecular Weight: 148.207

Accurate Mass: 148.100048

Percentage Composition: C 72.94%; H 8.16%; N 18.90%

>>Derivative: *N'*-Me

CAS Registry Number: 33089-74-6

Type of Compound Code(s): XA0050

Molecular Formula: C₁₀H₁₄N₂

Molecular Weight: 162.234

Accurate Mass: 162.115698

Percentage Composition: C 74.04%; H 8.70%; N 17.27%

Biological Source: Metab. of Amitraz [DKS16-R](#)

Use/Importance: Acaricide

Physical Description: Solid

Melting Point: Mp 67°

Boiling Point: Bp_{0.6} 90-125°

>>Derivative: *N'*-Me; hydrochloride

CAS Registry Number: 51550-40-4

Extra CAS Registry Numbers(s): 34098-24-3 69618-84-4

Molecular Formula: C₁₁H₁₆N₂

Molecular Weight: 176.261

Accurate Mass: 176.131348

Percentage Composition: C 74.96%; H 9.15%; N 15.89%

Physical Description: Cryst. (hexane/Me₂CO)

Melting Point: Mp 161-163°. Mp 197.5-198.5°

References:

Schuntner, C.A. *et al.*, *Aust. J. Biol. Sci.*, 1978, **31**, 141-148; *CA*, **89**, 18312a, (*metab*)

Eya, B.K. *et al.*, *J. Agric. Food Chem.*, 1986, **34**, 947-952, (*synth*)

Gall, M. *et al.*, *J. Med. Chem.*, 1988, **31**, 1816-1820, (*synth*)