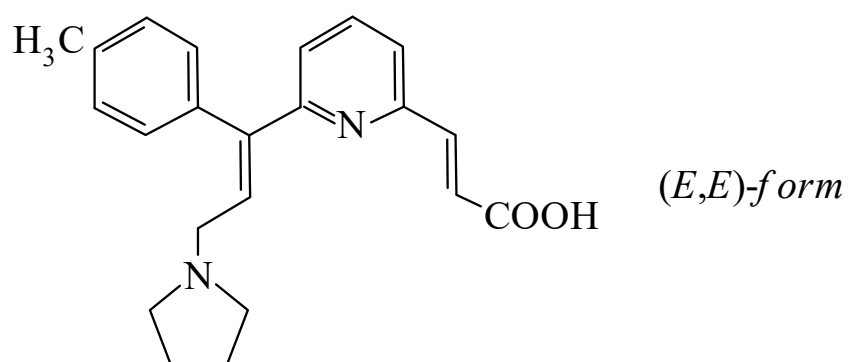




>>Entry Name: Acrivastine, BAN, INN, USAN

Synonym(s): 3-[6-[3-Pyrrolidin-1-yl-1-(*p*-tolyl)-1-propenyl]-2-pyridyl]acrylic acid. Duact. Semprair. Semprex. BW 825C



CAS Registry Number: 87848-99-5

Molecular Formula: C₂₂H₂₄N₂O₂

Molecular Weight: 348.444

Accurate Mass: 348.183778

Percentage Composition: C 75.83%; H 6.94%; N 8.04%; O 9.18%

Use/Importance: Histamine H₁-receptor antagonist. Used in treatment of chronic urticaria and allergic rhinitis

Physical Description: Cryst. (EtOAc)

Development Status: Launched 1988

Melting Point: Mp 173-174°

Calculated Log P Data: Log P 1.13 (calc)

>>Variant: (*E,E*)-form

Molecular Formula: C₂₂H₂₄N₂O₂

Molecular Weight: 348.444

Accurate Mass: 348.183778

Percentage Composition: C 75.83%; H 6.94%; N 8.04%; O 9.18%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 220-222°

Other Data: Pharmacol. active isomer

>>Variant: (*E,Z*)-form

Molecular Formula: C₂₂H₂₄N₂O₂

Molecular Weight: 348.444

Accurate Mass: 348.183778

Percentage Composition: C 75.83%; H 6.94%; N 8.04%; O 9.18%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 173-174°

References:

- Findlay, J.W.A. *et al.*, *J. Pharm. Sci.*, 1984, **73**, 1339, (*synth, props*)
Cohen, A.F. *et al.*, *Eur. J. Clin. Pharmacol.*, 1985, **28**, 197, (*pharmacol*)
Chang, S.Y. *et al.*, *J. Chromatogr.*, 1989, **497**, 288, (*gc-ms*)
Balasubramanian, R. *et al.*, *J. Clin. Pharmacol.*, 1989, **29**, 444, (*pharmacokinet*)
J. Int. Med. Res., (Suppl. 2), 1989, **17**, (*rev*)
Brogden, R.N. *et al.*, *Drugs*, 1991, **41**, 927, (*rev*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 930