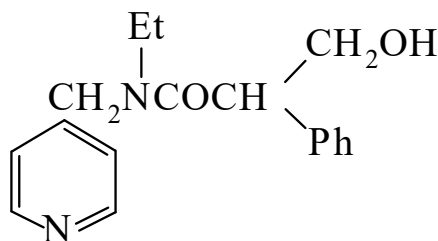




>>Entry Name: Tropicamide, BAN, INN, USAN

Synonym(s): *N*-Ethyl- α -(hydroxymethyl)-*N*-(4-pyridinylmethyl)benzeneacetamide, 9Cl. *N*-Ethyl-*N*-(4-pyridylmethyl)tropamide. Mydriacyl. Bistropamide. Many other names



CAS Registry Number: 1508-75-4

Molecular Formula: C₁₇H₂₀N₂O₂

Molecular Weight: 284.357

Accurate Mass: 284.152478

Percentage Composition: C 71.81%; H 7.09%; N 9.85%; O 11.25%

Use/Importance: Muscarine receptor antagonist. Mydriatic

Calculated Log P Data: Log P 1.09 (uncertain value) (calc)

Sigma: T9778

>>Variant: (±)-form

CAS Registry Number: 57322-49-3

Molecular Formula: C₁₇H₂₀N₂O₂

Molecular Weight: 284.357

Accurate Mass: 284.152478

Percentage Composition: C 71.81%; H 7.09%; N 9.85%; O 11.25%

Melting Point: Mp 96-97°

>>Derivative: Hydrochloride

Melting Point: Mp 123-125°

>>Derivative: Hydrobromide

Melting Point: Mp 147-149°

References:

U.K. Pat., 1955, 728 579; CA, **50**, 5773, (synth)

Blessel, K.W. *et al.*, *Anal. Profiles Drug Subst.*, 1974, **3**, 565, (rev, synth, props, anal)

Hopkins, S.J., *Drugs of Today (Barcelona)*, 1980, **16**, 89, (rev)

Yu, S. *et al.*, CA, 1983, **99**, 139724, (synth)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 4408

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 432