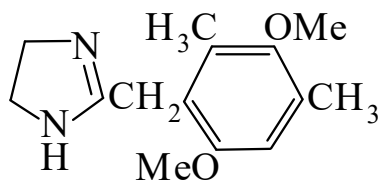




>>Entry Name: Domazoline, INN, USAN

Synonym(s): 2-[(3,6-Dimethoxy-2,4-dimethylphenyl)methyl]-4,5-dihydro-1H-imidazole, 9CI. 2-(3,6-Dimethoxy-2,4-dimethylbenzyl)-2-imidazoline, 8CI. Doxazoline. Sch 13166



CAS Registry Number: 6043-01-2

Type of Compound Code(s): XA5420 XA6950

Molecular Formula: C₁₄H₂₀N₂O₂

Molecular Weight: 248.324

Accurate Mass: 248.152478

Percentage Composition: C 67.72%; H 8.12%; N 11.28%; O 12.89%

Use/Importance: Anticholinergic; hair stiffener for use in depilatory preparations. Vasoconstrictor. Nasal decongestant

Physical Description: Cryst. (Me₂CO/petrol)

Melting Point: Mp 120-121°

Calculated Log P Data: Log P 3.61 (calc)

>>Derivative: Fumarate salt

Synonym(s): Domazoline fumarate, USAN

CAS Registry Number: 35100-41-5

>>Derivative: Picrate

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 147-149°

References:

U.K. Pat., 1966, 1 026 778; CA, **64**, 19629c, (synth, use)

Ger. Pat., 1971, 1 302 902; CA, **75**, 49084t, (synth)