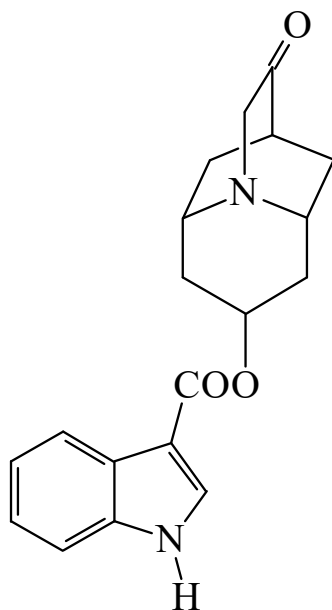




>>Entry Name: Dolasetron, BAN, INN

Synonym(s): Octahydro-3-oxo-2,6-methano-2H-quinolizin-8-yl 1H-indole-3-carboxylate, 9Cl. Anzemet. MDL 73147EF



CAS Registry Number: 115956-12-2

Related CAS Registry Numbers(s): 115956-22-4 126188-71-4

Type of Compound Code(s): XA4635 XA1920 XA1500

Molecular Formula: C₁₉H₂₀N₂O₃

Molecular Weight: 324.379

Accurate Mass: 324.147393

Percentage Composition: C 70.35%; H 6.21%; N 8.64%; O 14.80%

Use/Importance: Selective 5-HT₃ receptor antagonist. Antimigraine agent. Used for the prevention of cancer chemotherapy-induced nausea and vomiting

Development Status: Launched in Australia (1998)

Calculated Log P Data: Log P 2.05 (uncertain value) (calc)

>>Derivative: Methanesulfonate

Synonym(s): Dolasetron mesylate, USAN

CAS Registry Number: 115956-13-3

Physical Description: Cryst.

Melting Point: Mp 278°

Hazard & Toxicity: LD₅₀ (mus, orl) 545 mg/kg. LD₅₀ (mus, ivn) 165 mg/kg

References:

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Eur. Pat., 1989, Merrell Dow, 330 788; *CA*, **112**, 178714e, (*synth*)
Eur. Pat., 1989, Merrell Dow, 339 669; *CA*, **112**, 118673f, (*synth*)
Boxenbaum, H. *et al.*, *Biopharm. Drug Dispos.*, 1992, **13**, 693; 1993, **14**, 131, (*pharmacokinet*)
Miller, R.C. *et al.*, *Drug Dev. Res.*, 1993, **28**, 87, (*pharmacol*)
Drugs of the Future, 1993, **18**, 506, (*rev*)
Sanwald, P. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 1994, **661**, 101, (*metab, hplc*)
Balfour, J.A. *et al.*, *Drugs*, 1997, **54**, 273-298, (*rev*)