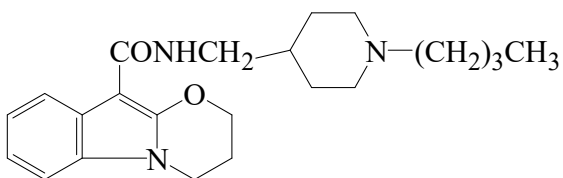




>>Entry Name: **Piboserod**, INN

Synonym(s): *N*-[(1-Butyl-4-piperidinyl)methyl]-3,4-dihydro-2*H*-[1,3]oxazino[3,2-*a*]indole-10-carboxamide, 9Cl. SB 207266



CAS Registry Number: 152811-62-6

Molecular Formula: C₂₂H₃₁N₃O₂

Molecular Weight: 369.506

Accurate Mass: 369.241627

Percentage Composition: C 71.51%; H 8.46%; N 11.37%; O 8.66%

Biological Use/Importance: 5-HT₄ receptor antagonist. Used in the treatment of irritable bowel syndrome. Also shows anxiolytic-like activity

Physical Description: Cryst. (Et₂O)

Development Status: In Phase II clinical trials (1995)

Melting Point: Mp 110-113°

>>Derivative: Hydrochloride

Synonym(s): **Piboserod hydrochloride**, USAN

CAS Registry Number: 178273-87-5

Physical Description: Cryst. (EtOH/petrol)

Melting Point: Mp 254-256° (dec.)

References:

Pat. Coop. Treaty (WIPO), 1993, *SmithKline Beecham*, 93 18 036; *CA*, **120**, 134454f, (*synth*)

Gaster, L.M. *et al.*, *J. Med. Chem.*, 1995, **38**, 4760-4763, (*synth, pharmacol*)

Wardle, K.A. *et al.*, *Br. J. Pharmacol.*, 1996, **118**, 665-670, (*pharmacol*)

Kennett, G.A. *et al.*, *Neuropharmacology*, 1997, **36**, 707-712, (*pharmacol*)