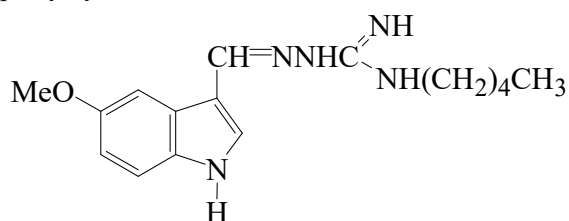




>>Entry Name: Tegaserod, INN, USAN

Synonym(s): 2-[(5-Methoxy-1*H*-indol-3-yl)methylene]-*N*-pentylhydrazinecarboximidamide, 9Cl. SDZ-HTF 919



CAS Registry Number: 145158-71-0

Related CAS Registry Numbers(s): 145427-85-6 189188-57-6

Molecular Formula: C₁₆H₂₃N₅O

Molecular Weight: 301.391

Accurate Mass: 301.19026

Percentage Composition: C 63.76%; H 7.69%; N 23.24%; O 5.31%

Biological Use/Importance: 5-HT₄ receptor agonist. Stimulates colonic motility. Potentially useful for the treatment of irritable bowel syndrome

Melting Point: Mp 155°

References:

Eur. Pat., 1992, Sandoz, 505 322; *CA*, **118**, 80801e, (*synth, pharmacol*)

Buchheit, K.-H *et al.*, *J. Med. Chem.*, 1995, **38**, 2331-2338, (*synth, pharmacol*)

Appel, S. *et al.*, *J. Clin. Pharmacol.*, 1997, **37**, 229-237, (*pharmacokinet*)

Nguyen, A. *et al.*, *J. Pharmacol. Exp. Ther.*, 1997, **280**, 1270-1276, (*pharmacol*)

Scott, L.J. *et al.*, *Drugs*, 1999, **58**, 491-496, (*rev*)

Zhou, H. *et al.*, *J. Clin. Pharmacol.*, 1999, **39**, 911-919, (*pharmacokinet*)