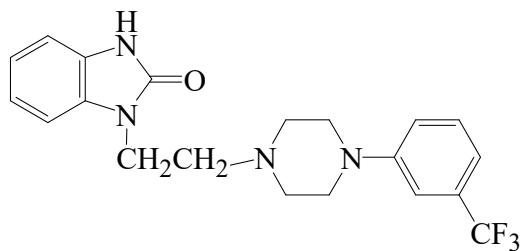




>>Entry Name: Flibanserin, INN

Synonym(s): 1,3-Dihydro-1-[2-[4-[3-(trifluoromethyl)phenyl]-1-piperazinyl]ethyl]-2H-benzimidazol-2-one, 9Cl. BIMT 17



CAS Registry Number: 167933-07-5

Molecular Formula: C₂₀H₂₁F₃N₄O

Molecular Weight: 390.407

Accurate Mass: 390.166745

Percentage Composition: C 61.53%; H 5.42%; F 14.60%; N 14.35%; O 4.10%

Biological Use/Importance: 5HT_{2A} receptor antagonist and 5HT_{1A} receptor agonist. Antidepressant

>>Derivative: Hydrochloride

CAS Registry Number: 147359-76-0

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 230-231°

References:

Eur. Pat., 1993, *Boehringer Ingelheim*, 526 434; *CA*, **118**, 234092p, (*synth, pharmacol*)

Cesana, R. *et al.*, *Behav. Pharmacol.*, 1995, **6**, 688-694, (*pharmacol*)

Borsini, F. *et al.*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1995, **352**, 276-282; 283-290, (*pharmacol*)

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