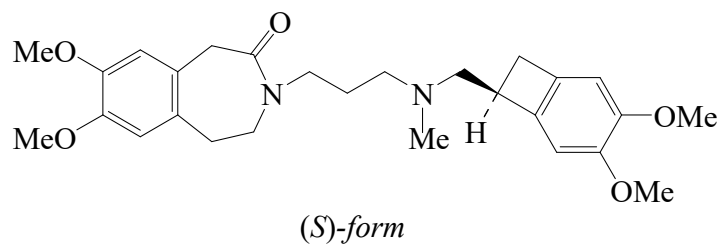




>>Entry Name: Ivabradine, INN

Synonym(s): 3-[3-[[[(3,4-Dimethoxybicyclo[4.2.0]octa-1,3,5-trien-7-yl)methyl]methylamino]propyl]-1,3,4,5-tetrahydro-7,8-dimethoxy-2H-3-benzazepin-2-one, 9Cl. S 16257



Related CAS Registry Numbers(s): 167072-91-5

Molecular Formula: C₂₇H₃₆N₂O₅

Molecular Weight: 468.592

Accurate Mass: 468.262423

Percentage Composition: C 69.21%; H 7.74%; N 5.98%; O 17.07%

Biological Use/Importance: Bradycardic agent (bradycardisant). Investigated for treatment of angina pectoris

>>Variant: (S)-form

Synonym(s): S 16257-2

CAS Registry Number: 155974-00-8

Molecular Formula: C₂₇H₃₆N₂O₅

Molecular Weight: 468.592

Accurate Mass: 468.262423

Percentage Composition: C 69.21%; H 7.74%; N 5.98%; O 17.07%

Other Data: Pharmacol. active isomer

References:

- Thollon, C. *et al.*, *Br. J. Pharmacol.*, 1994, **112**, 37-42, (*pharmacol*)
Gardiner, S.M. *et al.*, *Br. J. Pharmacol.*, 1995, **115**, 579-586, (*pharmacol*)
Perez, O. *et al.*, *Br. J. Pharmacol.*, 1995, **115**, 787; 1996, **117**, 1293-1301, (*enantiomers, pharmacol*)
Simon, L. *et al.*, *J. Pharmacol. Exp. Ther.*, 1995, **275**, 659-666, (*pharmacol*)
Bois, P. *et al.*, *Br. J. Pharmacol.*, 1996, **118**, 1051-1057, (*pharmacol*)
Duval, D. *et al.*, *Magn. Reson. Chem.*, 1997, **35**, 175-183, (*pmr, cmr, conformn*)