

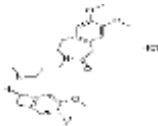
PRODUCT: Ivabradine Hydrochloride

ALTERNATE NAME: 3-[3-[[[(7S)-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, monohydrochloride

CATALOG #: B1595-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₃₆N₂O₅·HCl

MOLECULAR WEIGHT: 505.1

CAS NUMBER: 148849-67-6

APPEARANCE: White to off-white powder

SOLUBILITY: H₂O (~5 mg/ml on warming)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: Ivabradine hydrochloride is a highly selective open channel blocker that targets the mixed Na⁺/K⁺ inward “funny current” (I_f) carried by hyperpolarization-activated cyclic nucleotide gated (HCN) channels. It has antianginal activity. It lowers heart rate and reduces myocardial oxygen demand.

REFERENCES: Reil, J.C., *et al.* (2013). *Curr. Opin. Cardiol.* **28**, 326-331.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Aconitine (**2423**)

Ivabradine Hydrochloride (**B1595**)

Veratridine (**2422**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**