

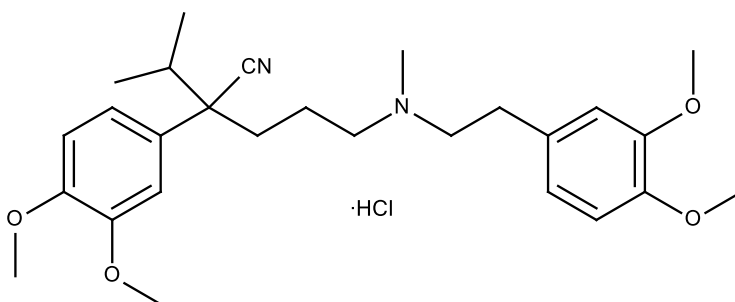
Catalog # 10-1111

Verapamil HCl

CAS# 152-11-4

5-[N-(3,4-Dimethoxyphenylethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylvaleronitrile hydrochloride

Lot # X101503



Clinically useful L-type calcium channel blocker.¹ It is also used as an inhibitor of drug efflux pump proteins.²

- 1) Brgden and Benfield (1996) *Verapamil: a review of its pharmacological properties and therapeutic use in coronary artery disease* *Drugs* **51** 792
- 2) Safa et al. (1987) *Identification of the multidrug resistance-related membrane glycoprotein as an acceptor for calcium channel blockers* *J. Biol.Chem.* **262** 7884

PHYSICAL DATA

Molecular Weight:	491.06
Molecular Formula:	C ₂₇ H ₃₈ N ₂ O ₄ ·HCl
Purity:	>98% by TLC
	NMR: Conforms
Solubility:	Water (up to 50 mg/mL); DMSO (up to 20 mg/mL)
Physical Description:	White
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions may be stored at -20°C for up to 3 months.

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