



Verapamil HCl

Data Sheet

Catalog Number:	MC11051	Product Type:	Small Molecule
Bio-Activity:	L-type Ca ²⁺ channel blocker	CAS #:	152-11-4
Research Categories:	Cell death, neuroscience	Chemical Name:	5-[N-(3,4-Dimethoxyphenylethyl)methylamino]-2-(3,4-dimethoxyphenyl)-2-isopropylvaleronitrile hydrochloride
Solubility:	Soluble in DMSO (up to 20 mg/ml) or in Water (up to 50 mg/ml).	Molecular Formula:	C ₂₇ H ₃₈ N ₂ O ₄ · HCl
Purity:	> 98%	Molecular Weight:	491.06
Format:	Powder	Ship Temp:	Ambient
Storage:	Room Temperature		

Application Notes

Description/Data:

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

References:

- 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

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