**PRODUCT:** Verapamil hydrochloride

**ALTERNATE NAME:** α-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-3,4-dimethoxy-α-(1-methylethyl)benzeneacetonitrile hydrochloride

**CATALOG #:** 2861-1G, 5G

**AMOUNT:** 1 g, 5 g

**STRUCTURE:**

![Structure of Verapamil hydrochloride]

**MOLECULAR FORMULA:** C_{27}H_{37}N_{2}O_{4}.HCl

**MOLECULAR WEIGHT:** 491.07

**CAS NUMBER:** 152-11-4

**APPEARANCE:** White solid

**SOLUBILITY:** Water (>40 mg/ml) or DMSO (>20 mg/ml) or EtOH (>20 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** Verapamil is a L-type Calcium channel blocker. It has both peripheral and coronary vasodilator effects (IC_{50} = 0.38 µM in guinea pig aortic strip) and has been used to control hypertension, angina, cardiac arrhythmia, and vascular headaches. Verapamil also acts as an inhibitor of drug efflux pump proteins such as P-glycoprotein, which are often over-expressed in certain tumor cell line.


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

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

**RELATED PRODUCTS:**
- Amlodipine besylate (Cat. No. 2378-50, 250)
- 2-APB (Cat. No. 1798-100)
- Calcitriol (Cat. No. 1880-50, 250)
- Dantrolene sodium (Cat. No. 2491-100, 500)
- Felodipine (Cat. No. 2399-10, 50)
- GV58 (Cat. No. 2616-1, 5)
- Pamidronate disodium (Cat. No. 1884-50, 250)
- Ruthenium Red (Cat. No. 2490-50, 250)
- Ryanodine (Cat. No. 2489-500, 1000)
- Thapsigargin (Cat. No. 1558-1)

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