

DATA SHEET

Product Name: Verapamil HCl

Catalog #: CV-1005

Alt: CAS # 152-11-4; α -[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-3,4dimethoxy- α -(1-methylethyl)benzeneacetonitrile, hydrochloride

Molecular Mass: 491.1

Analysis: >98% (TLC); NMR (conforms)

Supplied As: White powder

Resuspension: May be dissolved in water (25 mg/ml)

Storage: Store desiccated as supplied at ambient temperature for up to 3 years. Store solutions at -20°C for three months.

Description: L-type calcium channel blocker¹. Clinically useful for the treatment of hypertension and coronary artery disease². Binds to and inhibits P-glycoprotein³ and reverses multidrug resistance in multidrug-resistant CHO cells⁴. Induces autophagy⁵.

References:

1. Lacinova, L., et al., (1995) J. Pharmacol. Exp. Ther., 274 : 54
2. Brogdan, R.N., and Benfield, P., (1996) Drugs, 51: 792
3. Safa, A.R., et al., (1987) J. Biol. Chem., 262: 7884
4. Chatterjee, M., et al., (1990) Cancer Res., 50 : 2818
5. Fleming, A., (2011) Nat. Chem. Biol., 7: 9

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