PRODUCT DATA SHEET

2',4'-Dichlorobenzamil . HCl

BML-CA204
Ca²⁺ channel blocker

Inhibits cyclic nucleotide-gated Ca²⁺ channels (IC₅₀=38-50µM). Inhibits plasmalemmal Na⁺/Ca²⁺ and Na⁺/H⁺ exchange (IC₅₀=10µM). Blocks caffeine-induced current (by blocking Na⁺/Ca²⁺ exchange) at 50-100µM. Nonselective cation channel blocker (25µM).

Product Number/Sizes
BML-CA204-0005  5 mg
BML-CA204-0025  25 mg

Product Specifications
FORMULA:  C₁₃H₁₂Cl₂N₇O₇ . HCl
MW:  425.1
CAS:  2088-58-6
PURITY:  ≥95% (HPLC)
APPEARANCE:  Yellow solid.
SOLUBILITY:  Soluble in DMSO (25 mg/ml), Ethanol (25 mg/ml) or DMF (25 mg/ml).
SHIPPING:  Ambient
LONG TERM STORAGE:  Ambient
USE/STABILITY:  Store, as supplied, at -20°C for up to one year. Store solutions at -20°C for up to three months.

Product Literature References
Histamine-induced Ca²⁺ oscillations in a human endothelial cell line depend on transmembrane ion flux, ryanodine receptors and endoplasmic reticulum Ca²⁺-ATPase J. Paltauf-Doburzynska, et al. J. Physiol. 524 701 (2000)

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