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 Details

FORMULA: C₁₃H₁₂Cl₃N₇O.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 Temperature
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.
REGULATORY STATUS: RUO - Research Use Only

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)


