PRODUCT INFORMATION

CV-6209 (chloride)
Item No. 15955

CAS Registry No.: 100488-87-7
Formal Name: 2-(2-acetyl-6-methoxy-3,9-dioxo-4,8-dioxo-2,10-diazaoctacos-1-yl)-1-ethyl-pyridinium, monochloride
MF: C_{34}H_{60}N_{3}O_{6} • Cl
FW: 642.3
Purity: ≥95%
UV/Vis.: \( \lambda_{max} \): 267 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years
Special Conditions: Hygroscopic

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

CV-6209 (chloride) is supplied as a crystalline solid. CV-6209 (chloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the CV-6209 (chloride) in the solvent of choice. CV-6209 (chloride) is soluble in water at a concentration of approximately 10 mg/ml.

Description

CV-6209 is a potent antagonist of the platelet-activating factor (PAF) receptor, inhibiting aggregation of rabbit and human platelets induced by PAF with IC_{50} values of 75 and 170 nM, respectively.\(^1\) It has little action on platelet aggregation induced by arachidonic acid, ADP, or collagen.\(^1\) CV-6209 is bioavailable, as it prevents PAF-induced hypotension in rats, while not blocking hypotension triggered by arachidonic acid (Item No. 90010), histamine, bradykinin (Item No. 15539), or isoproterenol (Item No. 15592).\(^1\) CV-6209 is used to study the role of PAF receptor signaling in vitro and in vivo.\(^2,3\)

References