

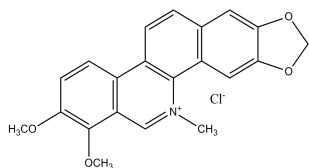
Chelerythrine chloride

ALTERNATE NAME: 1,2-Dimethoxy-12-methyl[1,3]benzodioxolo[5,6-c]phenanthridinium chloride

CATALOG #: 2064-5

AMOUNT: 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₁₈NO₄Cl

MOLECULAR WEIGHT: 383.82

CAS NUMBER: 3895-92-9

APPEARANCE: Yellow to orange solid

SOLUBILITY: DMSO (> 10 mg/ml) or H₂O (5 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Cell-permeable. A selective protein kinase C (PKC) inhibitor (IC₅₀ = 0.66 μM). Chelerythrine is at least 100-fold more selective for PKCs than for other kinases. It induces apoptotic cell death in polymorphonuclear leukocyte through activation of caspase-3. In addition, Chelerythrine treated cells underwent apoptosis, with features that suggest involvement of the mitochondrial pathway, and through a mechanism that involves inhibition of the anti-apoptotic inhibitor BclXL.

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

RELATED PRODUCTS:

- Fasudil Mono HCl (Cat. No. 1787-10, 50)
- H-89 DiHCl (Cat. No. 1768-1, 5)
- K252a (Cat. No. 2013-500, 1000)
- KN-93, Water-Soluble (Cat. No. 1909-1, 5)
- Staurosporine (Cat. No. 1048-01, 1)
- EZSolution™ Staurosporine (Cat. No. 1745-01)
- Stauprimide (Cat. No. 1743-500)