

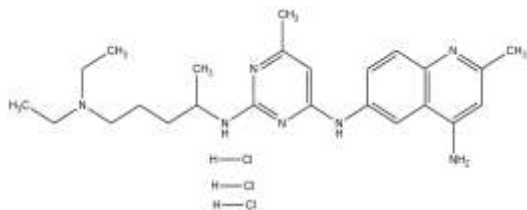
NSC 23766

ALTERNATE NAME: N^6 -[2-[[4-(Diethylamino)-1-methylbutyl]amino]-6-methyl-4-pyrimidinyl]-2-methyl-4,6-quinolinediamine trihydrochloride

CATALOG #: 1941-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₃₅N₇·3HCl

MOLECULAR WEIGHT: 530.97

CAS NUMBER: 733767-34-5

APPEARANCE: White solid

SOLUBILITY: Water (100 mM)

PURITY: ≥98% by HPLC

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

DESCRIPTION: A cell-permeable, reversible, and selective Rac1 inhibitor; inhibiting Rac1 activation by the Rac-specific guanine nucleotide exchange factors (GEFs) TrioN and Tiam 1 (IC₅₀ = 50 μM) without affecting the closely related GTPases, Cdc42, and RhoA activation. NSC 23766 has been used to investigate the role of Rac1 in such diverse cellular functions as stem cell mobilization, epithelial cell migration, angiogenesis, leukemia cell migration and growth, etc.

REFERENCE: Gao, Y., *et al.* (2004). *Proc. Natl. Acad. Sci. USA* **101**, 7618-7623.

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

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- MLS-573151 (Cat. No. 1929-5, 25)