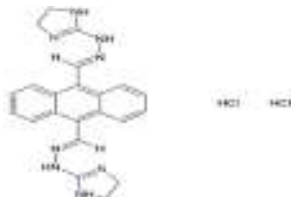


Bisantrene dihydrochloride

ALTERNATE NAME: NSC 337766
N-[(E)-[10-[(E)-(4,5-dihydro-1H-imidazol-2-yl)hydrazinylidene)methyl]anthracen-9-yl]methylideneamino]-4,5-dihydro-1H-imidazol-2-amine;dihydrochloride

CATALOG #: B2736-5 5 mg
B2736-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₂₄Cl₂N₈

MOLECULAR WEIGHT: 471.39

CAS NUMBER: 78186-34-2

APPEARANCE: Yellow to orange brown solid

PURITY: ≥98%

SOLUBILITY: ~8 mg/ml Water

DESCRIPTION: Bisantrene dihydrochloride is the hydrochloride salt of an anthracenyl bishydrazone with antineoplastic activity. It intercalates with and disrupts the configuration of DNA, resulting in DNA single-strand breaks, DNA-protein crosslinking, and inhibition of DNA replication. This agent is similar to doxorubicin (Cat. No. 1527) in activity, but unlike doxorubicin, does not exhibit cardiotoxicity. Bisantrene can be used to select for P-glycoprotein-mediated multiple drug resistance

STORAGE TEMPERATURE: -20°C Protect from moisture

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

RELATED PRODUCTS:

Pirarubicin (B2216)
Amsacrine (B2445)
7-Aminoactinomycin D (2725)
Doxorubicin.HCl (1527)

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