

Doxorubicinol hydrochloride Biochemical

Doxorubicinol hydrochloride

CATALOG #
AAA228818

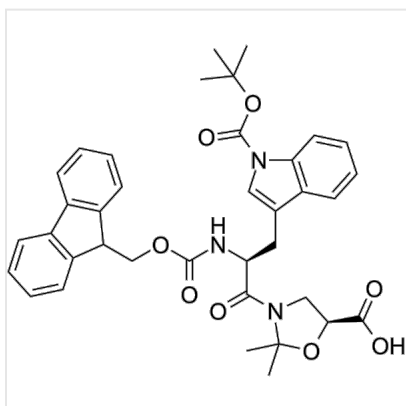
PRODUCT SYNONYMS

Doxorubicinol hydrochloride; Doxorubicinol hydrochloride biochemical

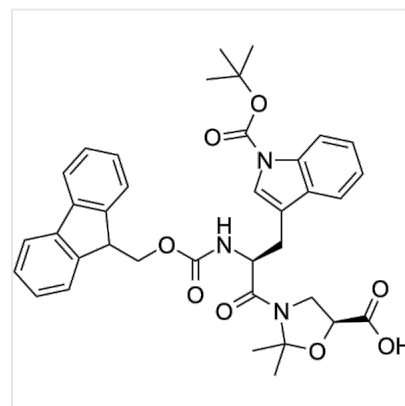
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	63950-05-0
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	In vivo, in tumor-bearing mice, Nilotinib, acting as ABCB1 inhibitor, is found to increase the accumulation of Doxorubicin and Doxorubicinol hydrochloride in cancer tissues. This implies that weaker anticancer activity of Doxorubicinol hydrochloride may be related to its increased affinity to ABC transporters, thus leading to a lower intracellular concentration of the agent[1]. In comparison with wild-type mice, the terminal half-life and the area under the plasma concentration-time curve of Doxorubicin in mdr1a(-/-) mice are 1.6- and 1.2-fold higher respectively. The retention of both Doxorubicin and its metabolite Doxorubicinol hydrochloride in the hearts of mdr1a(-/-) mice is substantially prolonged[2].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Fmoc-Trp(Boc)-Ser(ψ(Me,Me)pro)-OH, CAS 908601-15-0



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ADDITIONAL INFORMATION

Related Product Information for Doxorubicinol hydrochloride biochemical

Doxorubicinol hydrochloride (13-Dihydroadriamycin hydrochloride) is a secondary alcohol metabolite of Doxorubicin.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

