

Product Name : Doxorubicin hydrochloride

Synonyms : DOX

Cat No. : M13752

CAS Number : 25316-40-9

Molecular Formula : C₂₇H₂₉NO₁₁·HCl

Formula Weight : 579.99

Chemical Name : —

Description : Doxorubicin (Adriamycin) is an antibiotic agent that inhibits DNA topoisomerase II and induces DNA damage and apoptosis.

Pathway : Cell Cycle/DNA Damage

Target : Topoisomerase

Receptor : Topo II

Solubility : Water: 20 mg/mL (34.48 mM); DMSO: 100 mg/mL warmed (172.41 mM)

SMILES : COc1ccc2c(c1)c3c(c2)O[C@H]4[C@@H](O)[C@H](O)[C@@H](CO)O[C@H]4O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Sun W, et al. Y Res, 2009, 69(10), 4294-4300.

