

Doxorubicin hydrochloride

Catalog No: #S1020

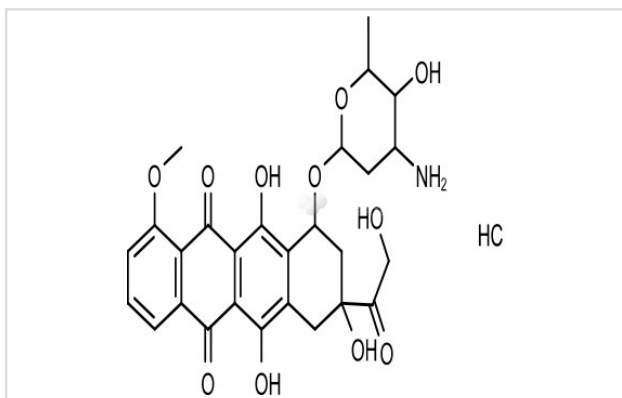
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Description

Product Name	Doxorubicin hydrochloride
Brief Description	Inhibitors
Purification	99.37%
Target Name	Topoisomerase inhibitor
Calculated MW	579.99
Formulation	C ₂₇ H ₂₉ NO ₁₁ HCl
Storage	3 years -20°C powder; 2 years -80°C in solvent;

Images



Product Description

Research

Area: Cancer
 SMILES: C[C@H]1[C@H]([C@H]([C@@H](O1)O[C@H]2C[C@@](CC3=C(C4=C(C(=C2)O)C(=O)C5=C(C4=O)C=CC=C5OC)O)(C(=O)CO)N)O
 Pathways: DNA Damage/DNA Repair
 Receptor: Topo II
 Boiling pt: 810.3°C
 Melting pt: 216°C
 Solubility: Water: 20 mg/mL (34.48 mM); DMSO: 100 mg/mL warmed (172.41 mM)
 Appearance: Red solid
 Remark: For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.
 Stock solution can be stored below -20 °C for several month.

References

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

Note: This product is for in vitro research use only