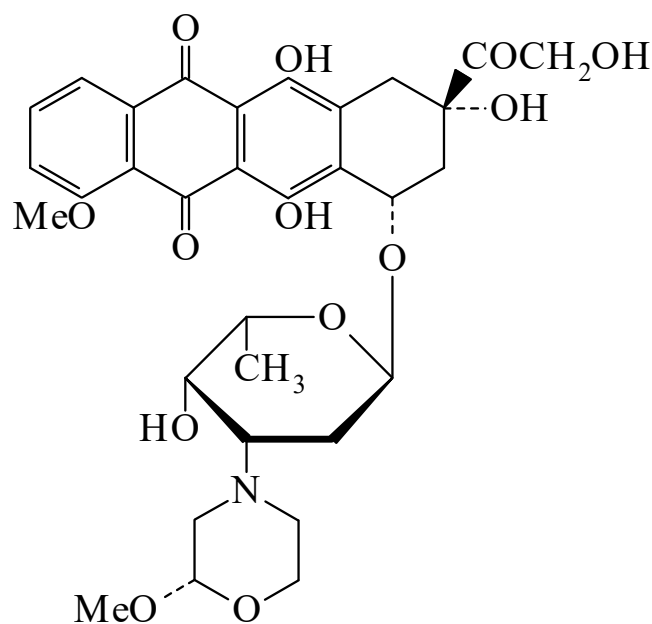




>>Entry Name: Nemorubicin, INN

Synonym(s): 7,8,9,10-Tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-10-[[[2,3,6-trideoxy-3-(2-methoxy-4-morpholinyl)- α -L-*xyo*-hexopyranosyl]oxy]-5,12-naphthacenedione, 9CI. 3'-Desamino-3'-[2-methoxy-4-morpholino]doxorubicin. FCE 23762



CAS Registry Number: 108852-90-0

Related CAS Registry Numbers(s): 136520-71-3 136520-72-4 136597-69-8 136597-70-1 157380-64-8

Molecular Formula: C₃₂H₃₇NO₁₃

Molecular Weight: 643.643

Accurate Mass: 643.226494

Percentage Composition: C 59.72%; H 5.79%; N 2.18%; O 32.31%

Use/Importance: Antineoplastic agent

Calculated Log P Data: Log P -0.88 (calc)

Other Data: Analogue of Adriamycin [BDR09-T](#) but less cardiotoxic

>>Derivative: Hydrochloride

CAS Registry Number: 108943-08-4

Melting Point: Mp 163-164°

References:

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Fornasiero, M.C. *et al.*, *Agents Actions*, 1992, **37**, 311, (*pharmacol*)
Ripamonti, M. *et al.*, *Br. J. Cancer*, 1992, **65**, 703, (*pharmacol*)
Rossini, M.L. *et al.*, *J. Chromatogr.*, 1992, **593**, 47, (*hplc*)
Kuhl, J.-S. *et al.*, *Cancer Chemother. Pharmacol.*, 1993, **33**, 10, (*pharmacol*)
Danesi, R. *et al.*, *Eur. J. Cancer, Part A*, 1993, **29**, 1560, (*tox*)
Cirilli, M. *et al.*, *J. Mol. Biol.*, 1993, **230**, 878, (*cryst struct*)
Vasey, P.A. *et al.*, *Cancer Res.*, 1995, **55**, 2090, (*clin trial*)