

MC-DOXHZN

Catalog No: tcsc1328



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

151038-96-9

Formula:

$C_{37}H_{42}N_4O_{13}$

Pathway:

Cell Cycle/DNA Damage;Antibody-drug Conjugate/ADC Related

Target:

Topoisomerase;ADC Cytotoxin

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Doxorubicin(6-maleimidocaproyl)hydrazone

Observed Molecular Weight:

750.75

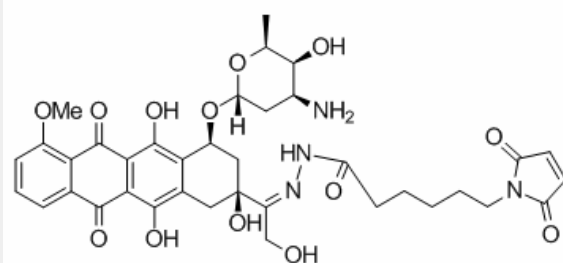
Product Description

DOXO-EMCH is a 6-maleimidocaproyl hydrazone derivative of Doxorubicin, is an albumin binding prodrug.

IC50 & Target: Topoisomerase^[1]

In Vitro: DOXO-EMCH is an an acid-sensitive prodrug of Doxorubicin that binds rapidly and selectively to the cysteine-34 position of circulating albumin^[1].

In Vivo: DOXO-EMCH is a 6-maleimidocaproyl hydrazone derivative of Doxorubicin. DOXO-EMCH unlike its free Doxorubicin parent, achieves complete remissions in a murine renal cell carcinoma model and in 2 breast carcinoma xenograft models. Moreover, DOXO-EMCH is also superior to Doxorubicin with regard to drug toxicity in mice, rats and dogs, and exhibits a good safety profile^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!