



DOXO-EMCH [KLH] (DAG-WT689K)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	DOXO-EMCH conjugated with KLH
Conjugate	KLH
Cas.No	151038-96-9
Applications	N/A
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	1 mg
Buffer	PBS buffer
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles

BACKGROUND

Introduction

Aldoxorubicin, also known as INNO-206 and Doxo-EMCH, is the 6-maleimidocaproyl hydrazone derivative prodrug of the anthracycline antibiotic doxorubicin with antineoplastic activity. INNO-206 binds selectively to the cysteine-34 position of albumin via its maleimide moiety. Doxorubicin is released from the albumin carrier after cleavage of the acid-sensitive hydrazone linker within the acidic environment of tumors and, once located intracellularly, intercalates DNA, inhibits DNA synthesis, and induces apoptosis. Albumin tends to accumulate in solid tumors as a result of high metabolic turnover, rapid angiogenesis, hypervascularity, and impaired lymphatic drainage. Because of passive accumulation within tumors, this agent may improve the therapeutic effects of doxorubicin while minimizing systemic toxicity.

Keywords

DOXO-EMCH; INNO-206; Doxorubicin(6-maleimidocaproyl)hydrazone
