



Aldoxorubicin

Catalog No: tcsc1186

Available Sizes
Size: 5mg
Size: 10mg
Size: 50mg
Size: 100mg
Specifications
CAS No: 1361644-26-9
Formula: C ₃₇ H ₄₂ N ₄ O 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: INNO-206;DOXO-EMCH
Observed Molecular Weight: 750.75





Product Description

Aldoxorubicin (INNO-206) is an albumin-binding prodrug of doxorubicin, which is released from albumin under acidic conditions. Aldoxorubicin (INNO-206) has potent antitumor activities in various cancer cell lines and in in murine tumor models.

IC50 & Target: Topoisomerase II^[4]

In Vitro: Aldoxorubicin (INNO-206) (0.27 to 2.16 μ M) inhibits blood vessel formation and reduces multiple myeloma cell growth in a pH-dependent fashion^[1].

In Vivo: Aldoxorubicin (INNO-206) (10.8 mg/kg, i.v.) shows significantly smaller tumor volumes and IgG levels on days 28, and is well tolerated with 90% of mice surviving until the termination of the study in the mice bearing the LAGκ-1A tumor^[1]. Aldoxorubicin (INNO-206) shows a good safety profile at doses up to 260 mg/mL doxorubicin equivalents, and is able to induce tumor regressions in breast cancer, small cell lung cancer and sarcoma in phase I study^[2]. Aldoxorubicin (INNO-206) shows superior activity over doxorubicin in a murine renal cell carcinoma model and in breast carcinoma xenograft models^[3].

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