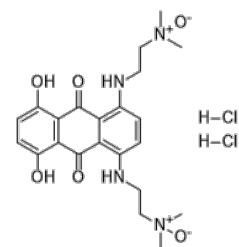


Product Name : Banoxantrone dihydrochloride
Cat. No. : PC-25511
CAS No. : 252979-56-9
Molecular Formula : C₂₂H₃₀Cl₂N₄O₆
Molecular Weight : 517.40
Target : Topoisomerase
Solubility : 10 mM in DMSO



Biological Activity

Banoxantrone dihydrochloride (AQ4N) is an alkylaminoanthraquinone-di-N-oxide anticancer prodrug, potentiates the anti-tumour effect of cisplatin, AQ4N is metabolised in hypoxic cells by cytochrome P450s (CYPs) to the cytotoxin AQ4, which is a stable, DNA-affinic compound and potent topoisomerase II inhibitor.

References

- McKeown SR, et al. Br J Cancer. 1995 Jul;72(1):76-81.
Hejmadi MV, et al. Br J Cancer. 1996 Feb;73(4):499-505.
Gallagher R, et al. Br J Cancer. 2001 Aug 17;85(4):625-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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