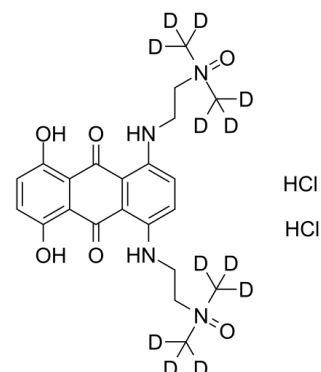


Data Sheet

Product Name:	Banoxantrone (D12 dihydrochloride)
Cat. No.:	CS-6997
CAS No.:	1562066-98-1
Molecular Formula:	C ₂₂ H ₁₈ D ₁₂ Cl ₂ N ₄ O ₆
Molecular Weight:	529.48
Target:	Topoisomerase
Pathway:	Cell Cycle/DNA Damage
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Banoxantrone D12 dihydrochloride (AQ4N D12 dihydrochloride) is the deuterium labeled banoxantrone dihydrochloride. Banoxantrone is a novel bioreductive agent that can be reduced to a stable, DNA-affinic compound AQ4, which is a potent **topoisomerase II** inhibitor.

CAIndexNames:

9,10-Anthracenedione, 1,4-bis[[2-[di(methyl-d3)oxidoamino]ethyl]amino]-5,8-dihydroxy-, hydrochloride (1:2)

SMILES:

O=N(C([2H])([2H])([2H])(C([2H])([2H])([2H])CCNC1=CC=C(NCCN(C([2H])([2H])([2H])(C([2H])([2H])([2H])=O)C(C(C2=C(O)C=CC(O)=C23)=O)=C1C3=O.Cl.Cl

Caution: Product has not been fully validated for medical applications. For research use only.

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