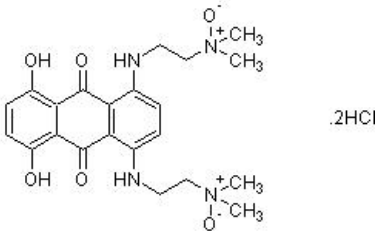


Product datasheet

Banoxantrone dihydrochloride (AQ4N), Topoisomerase II inhibitor ab144573

1 References

Overview

Product name	Banoxantrone dihydrochloride (AQ4N), Topoisomerase II inhibitor
Description	Bioreductive AQ4 precursor. Topoisomerase II inhibitor.
Biological description	Bioreductive AQ4 precursor. Topoisomerase II inhibitor. Converts under hypoxia to DNA-affinic mitoxantrone (ab141041) structural analog. Induces DNA intercalation. Shows antitumor effects <i>in vivo</i> .
Purity	> 98%
CAS Number	252979-56-9
Chemical structure	

Properties

Chemical name	1,4-Bis[[2-(dimethylamino)ethyl]amino]-5,8-dihydroxy-9,10-anthracenedione dihydrochloride
Molecular weight	517.41
Molecular formula	C ₂₂ H ₂₈ N ₄ O ₆ ·2HCl
Storage instructions	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
Solubility overview	Soluble in water to 25 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	Cl.Cl.[O-][N+](C)(C)CCNc3ccc(NCC[N+](O-)(C)C)c2C(=O)c1c(O)ccc(O)c1C(=O)c23

Source

Synthetic

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