

Product datasheet

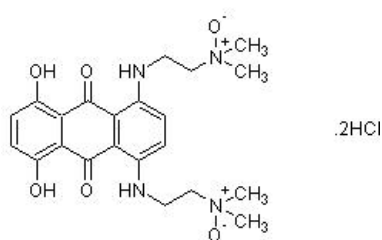
Banaxantrone dihydrochloride (AQ4N), Topoisomerase II inhibitor ab144573

1 References 1 Image

Overview

<b>Product name</b>	Banaxantrone dihydrochloride (AQ4N), Topoisomerase II inhibitor
<b>Description</b>	Bioreductive AQ4 precursor. Topoisomerase II inhibitor.
<b>Biological description</b>	Bioreductive AQ4 precursor. Topoisomerase II inhibitor. Converts under hypoxia to DNA-affinic mitoxantrone ( <a href="#">ab141041</a> ) structural analog. Induces DNA intercalation. Shows antitumor effects <i>in vivo</i> .
<b>Purity</b>	> 97%
<b>CAS Number</b>	252979-56-9

Chemical structure



Properties

<b>Chemical name</b>	1,4-Bis[[2-(dimethylamino)ethyl]amino]-5,8-dihydroxy-9,10-anthracenedione dihydrochloride
<b>Molecular weight</b>	517.41
<b>Molecular formula</b>	C <sub>22</sub> H <sub>28</sub> N <sub>4</sub> O <sub>6</sub> ·2HCl
<b>PubChem identifier</b>	72941779
<b>Storage instructions</b>	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.
<b>Solubility overview</b>	Soluble in water to 25 mM
<b>Handling</b>	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 <a href="#">frequently asked questions</a>

(FAQ) page for more details.

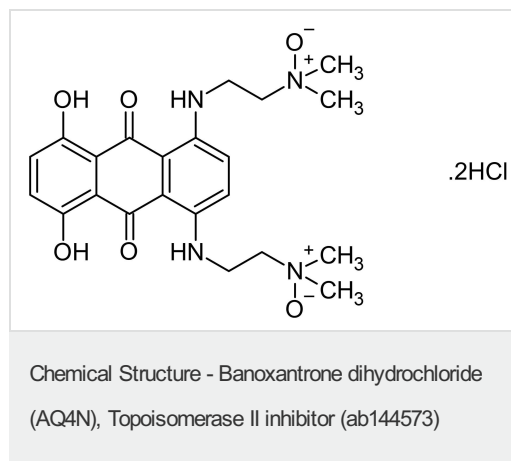
**SMILES**

C[N+](C)(CCNC1=C2C(=C(C=C1)NCC[N+](C)(C)[O-])C(=O)C3=C(C=CC(=C3C2=O)O)O)[O-].Cl.Cl

**Source**

Synthetic

**Images**



2D chemical structure image of ab144573, Banoxantrone dihydrochloride (AQ4N), Topoisomerase II inhibitor

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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