

Product Information

Vitamin inhibitor, Vatiquinone, Purity $\geq 98\%$

Cat. No.: X24-09-YM532

Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1213269-98-7

Compound CID: 46184405

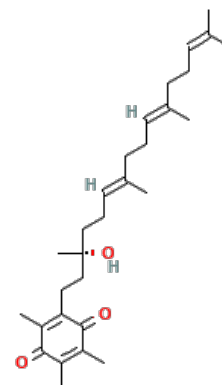
Synonym: 1213269-98-7; EPI-743; Alpha-tocotrienol quinone; α Tocotrienol quinone;

Alpha-tocotrienol quinone;

2-[(3*R*,6*E*,10*E*

)-3-Hydroxy-3,7,11,15-tetramethylhexadeca-6,10,14-trienyl]-3,5,6-trimethylcyclohexa-

2,5-diene-1,4-dione; Vitamin inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Vatiquinone is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting vitamin. The molecular weight of the compound is 440.66, and its molecular formula is $C_{29}H_{44}O_3$.
Molecular Weight	440.66
Molecular Formula	$C_{29}H_{44}O_3$
IUPAC Name	2-[(3 <i>R</i> ,6 <i>E</i> ,10 <i>E</i>)-3-Hydroxy-3,7,11,15-tetramethylhexadeca-6,10,14-trienyl]-3,5,6-trimethylcyclohexa-2,5-diene-1,4-dione
InChI	InChI=1S/C29H44O3/c1-20(2)12-9-13-21(3)14-10-15-22(4)16-11-18-29(8,32)19-17-26-25(7)27(30)23(5)24(6)28(26)31/h12,14,16,32H,9-11,13,15,17-19H2,1-8H3/b21-14+,22-16+/t29-m/s1
InChI Key	LNOVHERIIMJMDG-XZXLULOTSA-N
Canonical SMILES	<chem>CC1=C(C(=O)C(=C(C1=O)C)CCC(C)(CCC=C(C)CCC=C(C)CCC=C(C)C)O)C</chem>
Isomeric SMILES	<chem>C[C@H](CC[C@@H](C1CC1)O)[C@H]2CC[C@@H]3[C@@]2(CCC/C3=C\C=C/4\C[C@H](C[C@@H](C4=C)O)O)C</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.



Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Vatiquinone can be used for its neuroprotective effects in neurodegenerative diseases and as a potential treatment for certain cancers due to its ability to modulate cellular redox states.
Storage	Store at -20°C, and keep desiccated.
