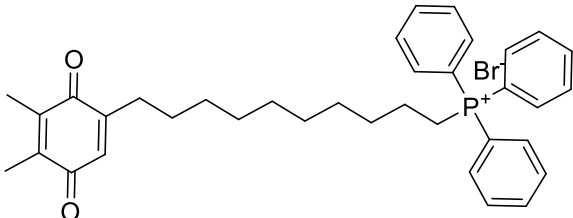


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
314201	SKQ1 (200mg/mL in ethanol-water, 1:1, v/v)	CBT60404

Chemical name	
(10-(4,5-dimethyl-3,6-dioxocyclohexa-1,4-dien-1-yl)decyl)triphenylphosphonium bromide	
Synonyms	
SKQ1; PDTP; Plastoquinonyl decyltriphenyl phosphonium bromide; 10-(6-plastoquinolyl) decyltriphenylphosphonium bromide; Brand name: Visomitin.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 314201 Name: SKQ1 CAS#: 934826-68-3 Lot# CBT60404 Chemical Formula: $C_{36}H_{42}BrO_2P$ Molecular Weight: 617.61 SKQ1 (cation): Chemical Formula: $C_{36}H_{42}O_2P^+$ Exact Mass: 537.2917, Molecular Weight: 537.70

Analysis item	Specifications / Results
Appearance	Yellow to light brown in ethanol solution (SKQ1, in pure form is a yellow to brown waxy / sticky and highly hydroscopic solid)
Structure	1H -NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO and ethanol.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE