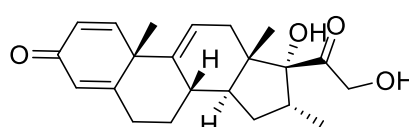


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
327030	Vamorolone	BBC70224

Chemical name	
(8S,10S,13S,14S,16R,17R)-17-hydroxy-17-(2-hydroxyacetyl)-10,13,16-trimethyl-6,7,8,10,12,13,14,15,16,17-decahydro-3H-cyclopenta[a]phenanthren-3-one	
Synonyms	
Vamorolone: VBP-15; VBP15; VBP 15	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 327030 Name: Vamorolone CAS#: 13209-41-1 Lot#: BBC70224 Chemical Formula: C ₂₂ H ₂₈ O ₄ Exact Mass: 356.1988 Molecular Weight: 356.46

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-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)	>99.0%
Solubility	Soluble in DMSO.
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
Shelf life	At least 5 years if properly stored.

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