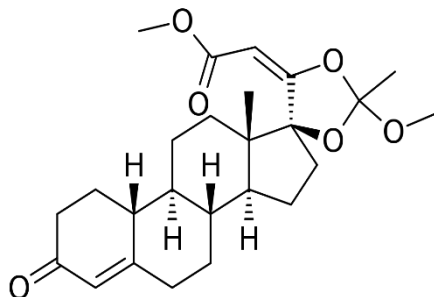


Certificate of Analysis

GCM Cat#:	Product Name:	Lot#:
530400	YK11	021

Chemical name	
(17alpha,20E)-17,20-((1-Methoxyethylidene)bis(oxy))-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester	
Synonyms	
YK-11; YK 11; YK11.	
Chemical structure	CAS# and Theoretical analysis
	GCM Cat#: 530400 Name: YK11 CAS#: 1370003-76-1 Lot#: 021 Chemical Formula: C ₂₅ H ₃₄ O ₆ Exact Mass: 430.2355 Molecular Weight: 430.541

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)	>98.0%
Solubility	Soluble in DMSO.
Conclusion	This product conforms with GCM'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