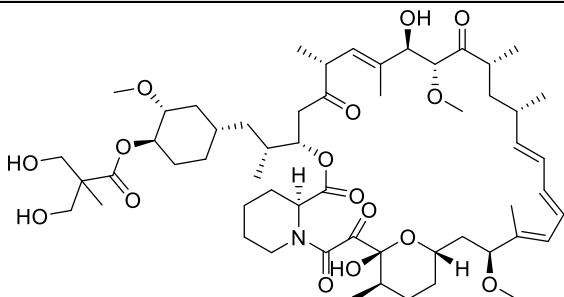




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
202870	Temsirolimus	T8Z04C18

Chemical name	
(1R,2R,4S)-4-[(2R)-2-[(3S,6R,7E,9R,10R,12R,14S,15E,17E,19E,21S,23S,26R,27R,34aS)-9,27-dihydroxy-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-1,5,11,28,29-pentaoxo-1,4,5,6,9,10,11,12,13,14,21,22,23,24,25,26,27,28,29,31,32,33,34,34a-tetracosahydro-3H-23,27-epoxy-pyrido[2,1-c][1,4]oxazacyclohentacontin-3-yl]propyl]-2-methoxycyclohexyl 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoate	
Synonyms	
CCI779; CCI-779; CCI 779; Temsirolimus; US brand name: Torisel	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 202870 Name: Temsirolimus CAS#: 162635-04-3 Lot#: T8Z04C18 Chemical Formula: C ₅₆ H ₈₇ NO ₁₆ Exact Mass: 1029.60249 Molecular Weight: 1030.29

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 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