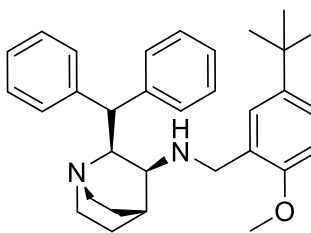


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
120201	Maropitant free base	C21R09B02

Chemical name	
(1R,2S,3S,4R)-2-benzhydryl-N-(5-(tert-butyl)-2-methoxybenzyl)quinuclidin-3-amine	
Synonyms	
CJ-11,972; CJ 11,972; CJ11,972; CJ-11972; CJ 11972; CJ11972; Maropitant; brand name: Cerenia	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 120201 Name: Maropitant free base CAS#: 147116-67-4 (free base) Lot#: C21R09B02 Chemical Formula: C ₃₂ H ₄₀ N ₂ O Exact Mass: 468.31406 Molecular Weight: 468.67

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 3 years if properly stored.

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