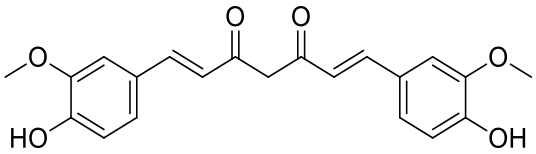
MedKoo Biosciences

Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
314267	Curcumin	BBC60609

Chemical name	
(1E,6E)-1,7-bis(4-hydroxy-3-methoxyphenyl)hepta-1,6-diene-3,5-dione	
Synonyms	
Curcumin; Diferuloylmethane; Turmeric Yellow; curcumin I; C.I. 75300; Natural Yellow 3; NSC32982; UNIIIT942ZTH98.	
Chemical structure	**CAS# and Theoretical analysis**
	MedKoo Cat#: 314267 Name: Curcumin CAS#: 458-37-7 Lot#: BBC60609 Chemical Formula: $C_{21}H_{20}O_6$ Exact Mass: 368.12599 Molecular Weight: 368.38

Analysis item	Specifications / Results
Appearance	Yellow 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)	>95.0%
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