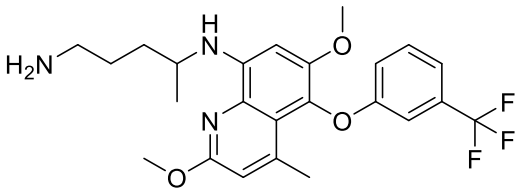
MedKoo Biosciences

Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
319630	Tafenoquine free base	S8S12C28

Chemical name	
N4-(2,6-dimethoxy-4-methyl-5-(3-(trifluoromethyl)phenoxy)quinolin-8-yl)pentane-1,4-diamine	
Synonyms	
WR-238605, WR 238605, WR238605, Tafenoquine	
Chemical structure	**CAS# and Theoretical analysis**
	MedKoo Cat#: 319630 Name: Tafenoquine free base CAS#: 106635-80-7 (free base) Lot#: S8S12C28 Chemical Formula: C24H28F3N3O3 Exact Mass: 463.2083 Molecular Weight: 463.5012

Analysis item	Specifications / Results
Appearance	Light yellow to 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)	>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

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