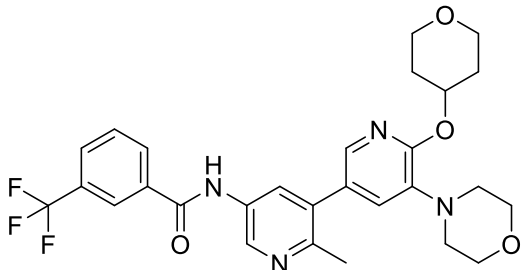




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
406990	RAF709	A8T10K21

Chemical name	
N-(2-methyl-5'-morpholino-6'-((tetrahydro-2H-pyran-4-yl)oxy)-[3,3'-bipyridin]-5-yl)-3-(trifluoromethyl)benzamide	
Synonyms	
RAF709; RAF-709; RAF 709	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 406990 Name: RAF709 CAS#: 1628838-42-5 Lot#: A8T10K21 Chemical Formula: C ₂₈ H ₂₉ F ₃ N ₄ O ₄ Exact Mass: 542.2141 Molecular Weight: 542.56

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	~0.33 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2); ~10 mg/ml in EtOH; ~30 mg/ml in DMSO & DMF
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