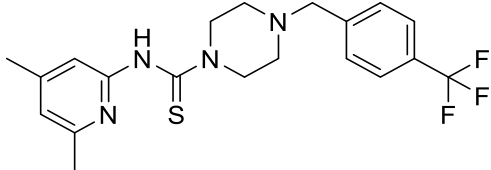




## Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
407371	NCT-503	C21R03B19

Chemical name	
N-(4,6-dimethylpyridin-2-yl)-4-(4-(trifluoromethyl)benzyl)piperazine-1-carbothioamide	
Synonyms	
NCT-503; NCT 503; NCT503	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 407371 Name: NCT-503 CAS#: 1916571-90-8 LOT#: C21R03B19 Chemical Formula: C <sub>20</sub> H <sub>23</sub> F <sub>3</sub> N <sub>4</sub> S Exact Mass: 408.1596 Molecular Weight: 408.49

Analysis item	Specifications / Results
Appearance	Light yellow solid powder
Structure	<sup>1</sup> 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**