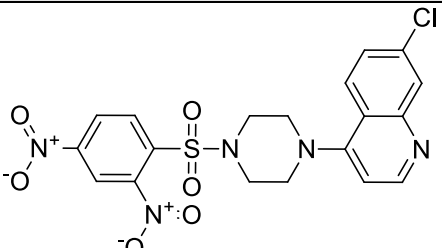




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
407205	VR23	TZC60217

<b>Chemical name</b>	
7-chloro-4-(4-((2,4-dinitrophenyl)sulfonyl)piperazin-1-yl)quinolone	
<b>Synonyms</b>	
VR23; VR-23; VR 23	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 407205 Name: VR23 CAS#: 1624602-30-7 Lot#: TZC60217 Chemical Formula: C <sub>19</sub> H <sub>16</sub> ClN <sub>5</sub> O <sub>6</sub> S Exact Mass: 477.05098 Molecular Weight: 477.88

<b>Analysis item</b>	<b>Specifications / Results</b>
<b>Appearance</b>	White to off-white solid powder
<b>Structure</b>	<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.
<b>Purity (HPLC)</b>	>98.0%
<b>Solubility</b>	Soluble in DMSO
<b>Conclusion</b>	This product conforms with MedKoo's quality standards
<b>Shipping condition</b>	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
<b>Storage condition</b>	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
<b>Shelf life</b>	At least 5 years if properly stored.

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