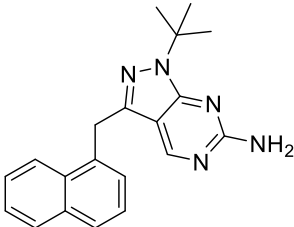




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
406395	1NM-PP1	C20R11B12

<b>Chemical name</b>	
: 1-(tert-butyl)-3-(naphthalen-1-ylmethyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine	
<b>Synonyms</b>	
1NM-PP1; 1NM PP1; 1NMPP1 PP1 analog II.	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 406395 Name: 1NM-PP1 CAS#: 221244-14-0 Lot#: C20R11B12 Chemical Formula: C <sub>20</sub> H <sub>21</sub> N <sub>5</sub> Exact Mass: 331.1797 Molecular Weight: 331.41

<b>Analysis item</b>	<b>Specifications / Results</b>
<b>Appearance</b>	Beige 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**