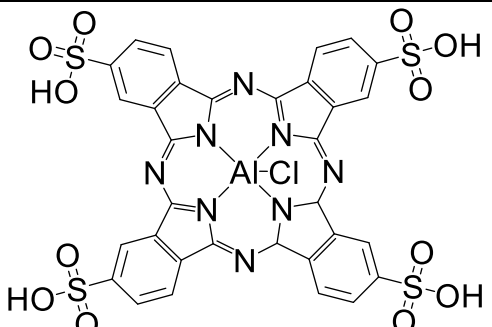




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
406813	AlPcS4	FSI71222

<b>Chemical name</b>	
Aluminate(3-), (29H,31H-phthalocyanine-C,C,C,C-tetrasulfonato(6-)-kappaN29,kappaN30,kappaN31,kappaN32)-, tetrahydrogen	
<b>Synonyms</b>	
AlPcS4 or AlS4Pc, or AlPcS4(a); Chloroaluminum tetrasulfophthalocyanine; Aluminum phthalocyanine tetrasulfonate tetrasodium; Al(III) Phthalocyanine Chloride Tetrasulfonic tetrasodium; MFCD#: MFCD00672294.	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 406813 Name: AlPcS4 CAS#: 351994-94-0 Lot#: FSI71222 Chemical Formula: C <sub>32</sub> H <sub>16</sub> AlClN <sub>8</sub> O <sub>12</sub> S <sub>4</sub> Molecular Weight: 895.20

Analysis item	Specifications / Results
<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**  
Label: