Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
100054	Aminolevulinic acid HCl	TZC61205

Chemical name		
5-amino-4-oxopentanoic acid hydrochloride		
Synonyms		
5-ALA; ALA; dALA; 5-aminolevulinic acid; aminolevulinic acid; Aminolevulinic Acid HCl;		
Aminolevulinic Acid hydrochloride; US brand name: Levulan		
Chemical structure	CAS# and Theoretical analysis	
	MedKoo Cat#: 100054	
0	Name: Aminolevulinic acid HCl	
	CAS#: 5451-09-2	
H_2N OHH-CI	Lot#TZC61205	
0	Chemical Formula: C ₅ H ₁₀ ClNO ₃	
	Molecular Weight: 167.59	

Analysis item	Specifications / Results	
Appearance	Yellow 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)	>99.0%	
Solubility	Soluble in water.	
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