



上海朗旭生物科技有限公司
Shochem (Shanghai) Co.,ltd

No.1305, Huajing Rd, East China Science & Technology Park Shanghai,China

Certificate of Analysis

PRODUCT	1,2-dioleoyl-sn-glycero-3-phosphate sodium salt (DOPA-Na)		
CAS	108392-02-5	M.W.	722.94
BATCH No.	20200801	QUANTITY	50g
MANUFACTURE DATE:	Aug. 2020	RETEST DATE :	Aug. 2022

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
APPEARANCE	White to off-white wax solid	Conforms
IDENTIFICATION : NMR MS	Spectrum of sample corresponds to that Of R.S.	Comforms
WATER(by KF)	≤2.0%	0.5%
PURITY	≥98.0%	99.30%
CONCLUSION	It conforms to the Enterprise Standard	
RECOMMENDED STORAGE	-20°C±5°C protect from light, moisture and air	

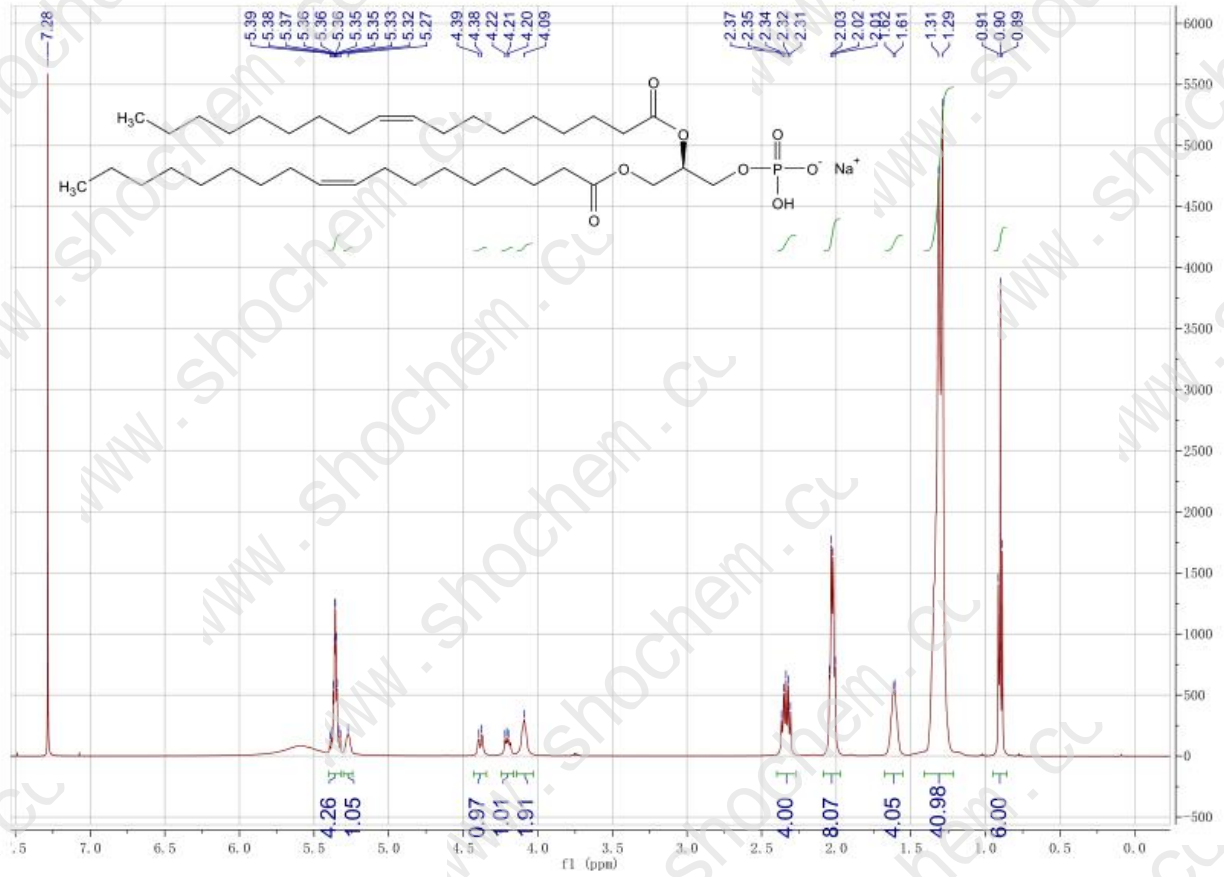




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¹H NMR





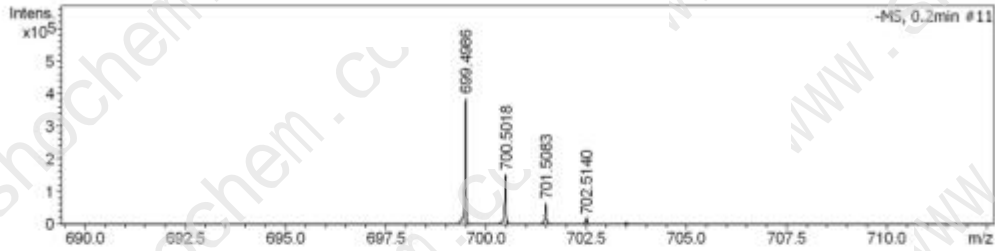
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MS

Acquisition Parameter

Source Type	ESI	Ion Polarity	Negative	Set Nebulizer	1.5 Bar
Focus	Active	Set Capillary	4000 V	Set Dry Heater	180 °C
Scan Begin	50 m/z	Set End Plate Offset	-500 V	Set Dry Gas	4.0 l/min
Scan End	1200 m/z	Set Collision Cell RF	500.0 Vpp	Set Divert Valve	Waste



#	m/z	Res.	S/N	I	1%	FWHM
1	699.4986	25535	1638.3	383800	100.0	0.0274
2	700.5018	19047	643.9	150976	39.3	0.0368
3	701.5083	17487	268.3	62952	16.4	0.0401
4	702.5140	15128	60.4	14180	3.7	0.0464

Meas. m/z	#	Ion Formula	m/z	err [ppm]	mSigma	mSigma	Score	rdb	e ⁻ Conf	N-Rule
699.4986	1	C ₃₉ H ₇₂ O ₈ P	699.4970	-2.3	35.4	35.4	57.21	4.5	even	ok