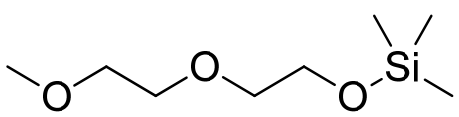


Description	2,2-dimethyl-3,6,9-trioxa-2-siladecane
CAS #	62199-57-9
Formula	C ₈ H ₂₀ O ₃ Si
FW	192.33
LOT #	TD3-129
Purity	>99.9% ¹
Batch Size	9715 g
Manufactured	10/09/2012
Structure	

Analysis	Instrument/Method	Results	Analysis By:
GC/FID	Agilent 7890A Agilent HP-5MS, 0.25 um, 30m x 0.250 mm, 40 to 300 °C, 30 °C /min	99.917% ^{1,2}	T. Dzwiniel
GC/MSD	Agilent 7890A/5975C Triple-Axis Agilent DB-5MS, 0.25 um, 30m x 0.250 mm, 40 to 300 deg, 30 deg/min	99.979% ^{1,2}	T. Dzwiniel
Boiling Point	Buchi M-565 Automatic, 0.6 Hz corrected to standard pressure	190-191 °C	T. Dzwiniel
KF Moisture Titration	KEM MCU-610 Coulometric, WaterMark 1612/1613	40ppm	K. Pupek
FTIR	Bruker Vertex 70 Attenuated Total Reflection	Consistent with Structure	G. Jeka
NMR	Bruker 500 MHz ¹ H, ¹³ C observed in CDCl ₃ solution	Consistent with Structure	K. Pupek

¹ By area integration. ² Average from three analyses.

Properties	Value
Dielectric Constant	4.89
Viscosity (cP, @25°C)	0.9
Lithium Salt Solubility (M, as LiPF₆)	LI-TFSI only
Ionic Conductivity (10⁻³S/cm @ 25°C)	2.5
Voltage Stability (Oxidation, V)	5.0