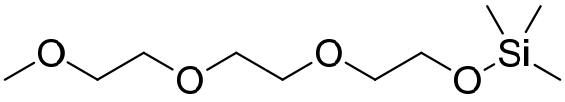
ANL-1NM3

Description	2,2-dimethyl-3,6,9,12-tetraoxa-2-silatridecane
CAS #	864079-62-9
Formula	$C_{10}H_{24}O_4Si$
FW	236.38
LOT #	TD1-181
Purity	>99.95%[1]
Batch Size	3357 g
Manufactured	5/17/2011
Structure	

Analysis	Method	Results	Analysis By:
GC/MSD	Agilent HP-5MS, 0.25 um, 30m x 0.250 mm, 30 deg/min	>99.95% [1,2]	T. Dzwiniel
Boiling Point	Automatic, range method (Buchi M-565)	233-234°C	T. Dzwiniel
Flash Point	Pensky-Martens Closed Cup	112.5°C	Intertek
KF Moisture Titration	Coulometric (KEM MCU-610)	26 ppm	T. Dzwiniel
FTIR	Bruker Vertex 70, Attenuated Total Reflection	Consistent with Structure	S. Gallagher
NMR	Bruker 500 MHz, $CDCl_3$ solution.	Consistent with Structure	K. Pupek

[1] By area integration, this value was 100%. No impurity peaks were identified above baseline noise.

[2] Average from three analyses.

Properties	Value
Dielectric Constant	5.13
Viscosity (cP, @25°C)	1.4
Lithium Salt Solubility (M, as $LiPF_6$)	1.4
Ionic Conductivity (10^{-3}S/cm @ 25°C)	1.9
Voltage Stability (Oxidation, V)	4.7