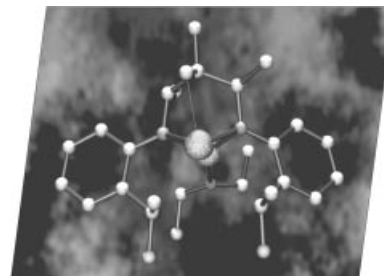


*Earliest available Table of Contents:
 Automatically, free of charge by e-mail through
www.interscience.wiley.com/alerts*

COVER PICTURE

The cover picture shows an Li_2N_2 unit which is prevented by the bulk of the aryl substituents from stacking with another to form a cubic cluster. The diethyl ether solvent traps this fragment of a molecule which, in the absence of diethyl ether, precipitates as a powder, possibly by lateral association of Li_2N_2 rings to form an infinite ladder in a manner first suggested by Ronald Snaith, whose memory is honoured in this special edition of EurJIC. Details are presented in the article by F. Mair et al. on p. 3464 ff.



REMINISCENCE

Contents

3271 R. E. Mulvey, K. Wade

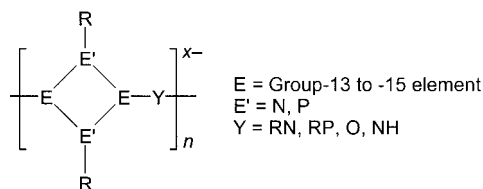
Ron Snaith (1947–2000), Inspirational Alk-
 chemist and Altruist

MICROREVIEWS

3279 E. L. Doyle, L. Riera, D. S. Wright*

Toroidal Main Group Macrocycles: New Opportunities for Cation and Anion Coordination

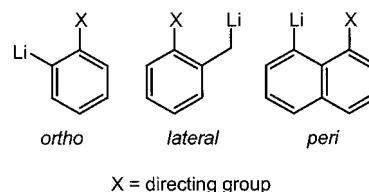
Keywords: Coordination chemistry / Macrocycles / Main group elements / Synthesis



3291 A. E. H. Wheatley

The Directed Lithiation of Benzenoid Aromatic Systems

Keywords: Aromaticity / Directing group / Lithium / Solid-state structure / Solution structure

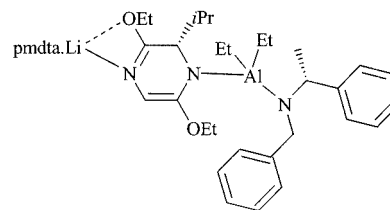


SHORT COMMUNICATIONS

3305 P. C. Andrews*, M. Maguire, E. Pombo-Villar

Synthesis and Structure of a Monomeric Chiral Lithium Dialkylaluminium Amide Derived from Schöllkopf's Bis-lactim Ether and α -(Methylbenzyl)benzylamine

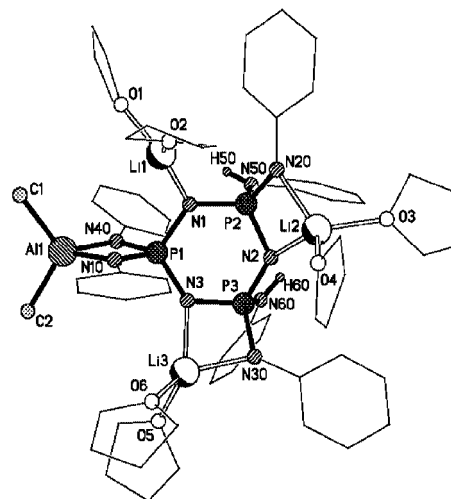
Keywords: Lithium / Aluminium / Chirality / Amides / Structure elucidation



3309 F. Rivals, A. Steiner*

Synthesis and Structure of $[\{(THF)_2Li\}_3Me_2Al\{(\text{PhNH})_2(\text{PhN})_4P_3N_3\}]$, the First Mixed-Metal Phosphazenate Complex

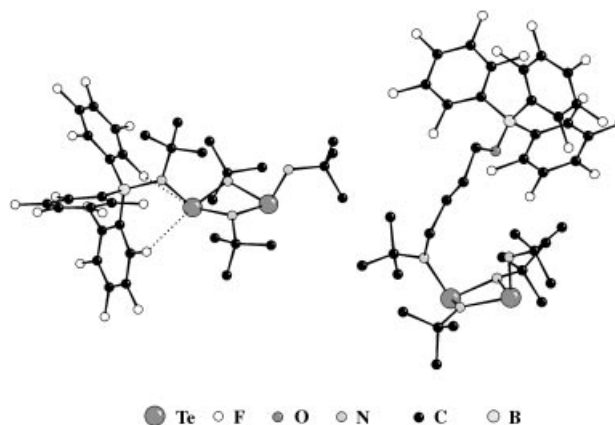
Keywords: Phosphazenes / Phosphazenes / Aluminium / Lithium / Heterometallic complexes



3314 T. Chivers,* G. Schatte

Cooperative THF Ring-Opening by $B(C_6F_5)_3$ and a Tellurium Diimide Dimer

Keywords: N ligands / Ring opening / Lewis acids / Boron / Tellurium

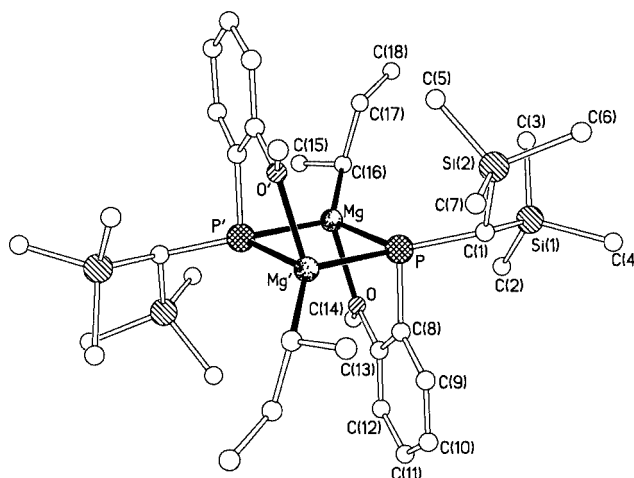


FULL PAPERS

3319 S. Blair, K. Izod,* W. Clegg,
R. W. Harrington

Organomagnesium Phosphanide “Grignard” Analogues – Synthesis, Structural Characterisation and Solution Behaviour of $[BuMg\{P(CH[SiMe_3]_2)(C_6H_3-2-OMe-3R)\}_2]$ [R = H, Me]

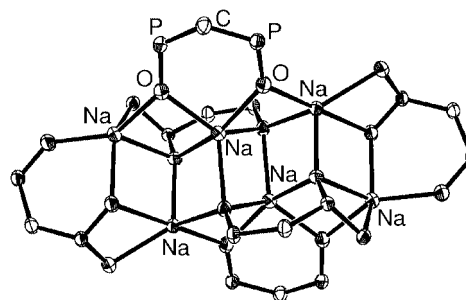
Keywords: Magnesium / P ligands / Grignard reaction / Rearrangement



3325 R. Nassar, A. M. Beatty, K. W. Henderson*

Sodiated β -Diphosphonate Carbanions: Characterization of the Tetrameric Cubane and the Hexameric Ladder Complexes $[\{(iPrO)_2P(O)\}_2CHNa]_4$ and $[\{(EtO)_2P(O)\}_2CHNa]_6$

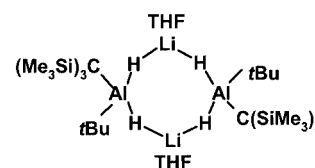
Keywords: Alkali metals / Sodium / Cage compounds / Chelates / O Ligands



3332 C. Eaborn, I. B. Gorrell, P. B. Hitchcock,
J. D. Smith*

The First Structurally Characterized Diorganoaluminumate

Keywords: Aluminum / Silicon / Hydride ligands / Lithium

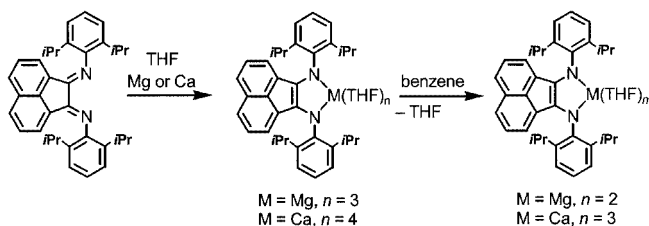


3336

I. L. Fedushkin,* A. A. Skatova,
V. A. Chudakova, G. K. Fukin, S. Dechert,
H. Schumann*

Monomeric Magnesium and Calcium Complexes
Containing the Bidentate, Dianionic 1,2-
Bis[(2,6-diisopropylphenyl)imino]acenaphthene
Ligand

Keywords: Magnesium / Calcium / N ligands /
Anions / Dianions

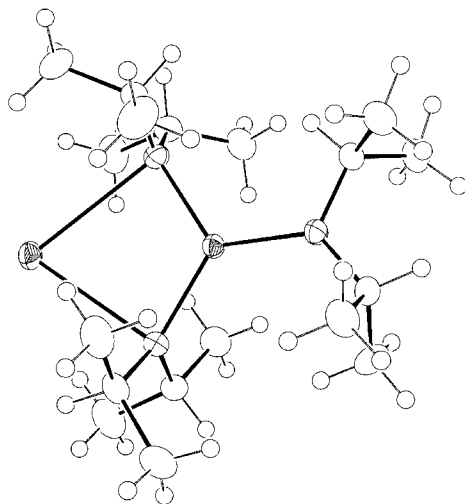


3347

E. Hevia, F. R. Kenley, A. R. Kennedy,
R. E. Mulvey,* R. B. Rowlings

Solvent-Free and TMEDA-Solvated Mixed
Alkali Metal-Magnesium Tris-diisopropylamides

Keywords: Alkali metals / N ligands / Heterometallic
complexes / Potassium / Magnesium

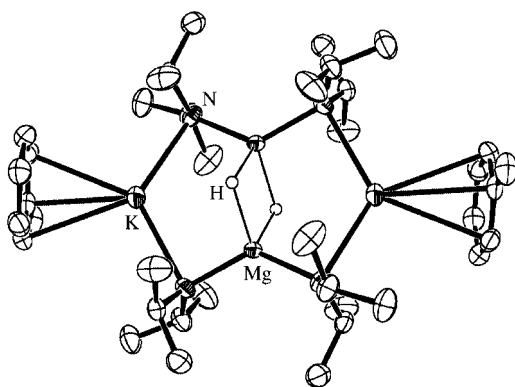


3354

P. C. Andrikopoulos, D. R. Armstrong,
A. R. Kennedy, R. E. Mulvey,
C. T. O'Hara,* R. B. Rowlings

Synthesis, Structure and Theoretical Studies of
the Hydrido Inverse Crown $[\text{K}_2\text{Mg}_2(\text{N}i\text{Pr}_2)_4(\mu\text{-H})_2(\text{toluene})_2]$: a Rare Example of a Molecular
Magnesium Hydride with a $\text{Mg}-(\mu\text{-H})_2\text{-Mg}$
Double Bridge

Keywords: Potassium / Magnesium / N ligands /
Hydride ligands / Density functional calcu-
lations



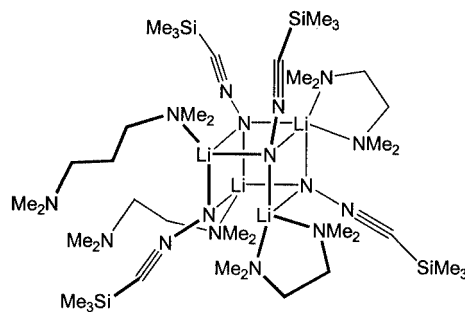
3363

D. R. Armstrong,* R. P. Davies, R. Haigh,
M. A. Hendy, P. R. Raithby, R. Snaith,
A. E. H. Wheatley*



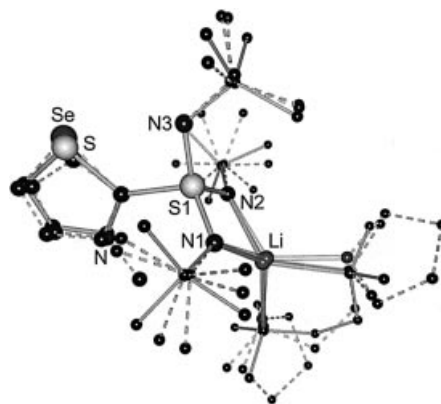
A Solid-State, Solution, and Theoretical Struc-
tural Study of Kinetic and Thermodynamic
Lithiated Derivatives of a Simple Diazomethane
and Their Reactivities Towards Aryl Isothiocy-
anates

Keywords: Density functional calculations / Diazo-
methane / Lithium / Solid-state structures /
Solution structure



Heteroaromatic-Substituted Mono- and Bis(tri-imidosulfonates)

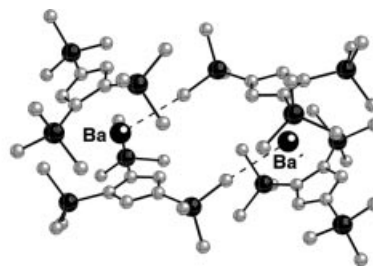
Keywords: Heterocycles / Lithium / N ligands / S ligands / Sulfur



3383 M. J. Harvey, K. T. Quisenberry,
T. P. Hanusa,* V. G. Young Jr.

A Homologous Series of Base-Free Organo-(alkaline-earth) Metallocenes: Synthesis and Molecular Structures of $[1,2,4-(\text{SiMe}_3)_3\text{C}_5\text{H}_2]_2^-$ (Ca, Sr, Ba)

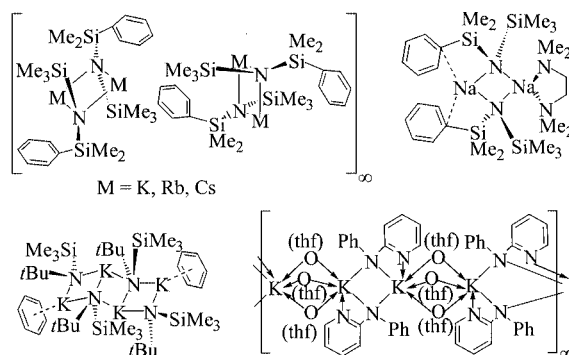
Keywords: Alkaline-earth metals / Metallocenes / Solid-state structures



3391 F. Antolini, P. B. Hitchcock,
A. V. Khvostov, M. F. Lappert*

Alkali metals / Amides / Synthesis / NMR spectra / X-ray structures

Keywords: Synthesis and Structures of Alkali Metal Amides Derived from the Ligands $[\text{N}(\text{SiMe}_2\text{Ph})(\text{SiMe}_3)]^-$, $[\text{N}(t\text{Bu})(\text{SiMe}_3)]^-$, $[\text{N}(\text{Ph})(2\text{-C}_5\text{H}_4\text{N})]^-$, and $[\text{N}(2\text{-C}_5\text{H}_4\text{N})_2]^-$

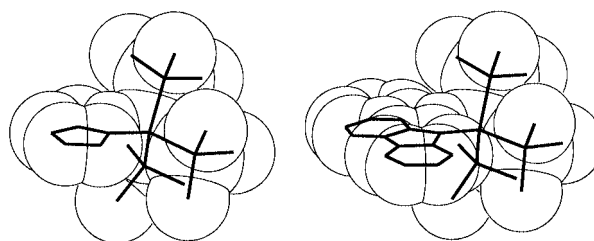


3401 F. Feil, S. Harder*



Hypersilyl-Substituted Complexes of Group 1 and 2 Metals: Syntheses, Structures and Use in Styrene Polymerisation

Keywords: Alkali metals / Alkaline earth metals / Si ligands / Polymerization

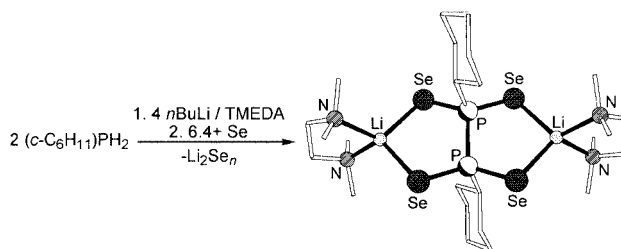


3409 R. P. Davies,* M. G. Martinelli,
A. E. H. Wheatley, A. J. P. White,
D. J. Williams



Structural Studies of Lithium Telluro- and Seleno-Phosphorus Compounds

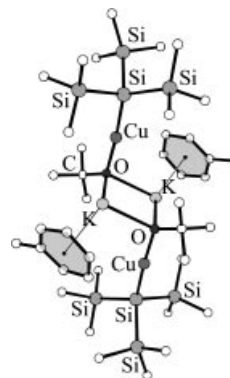
Keywords: Lithium / Selenium / Solid-state structures / Tellurium



3417 K. W. Klinkhammer,* J. Klett, Y. Xiong,
S. Yao

Homo- and Heteroleptic Hypersilylcuprates – Valuable Reagents for the Synthesis of Molecular Compounds with a Cu–Si Bond

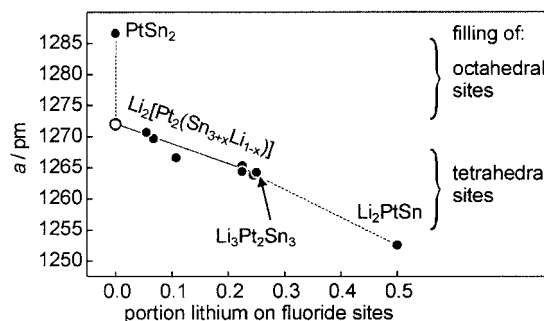
Keywords: Copper / Silicon / Silylcuprates / Si ligands



3425 R.-D. Hoffmann, Z. Wu, R. Pöttgen*

Fluorite-Related Phases in the System Li–Pt–Sn: Synthesis and Structures of Li_2PtSn , $\text{Li}_3\text{Pt}_2\text{Sn}_3$, $\text{Li}_{2.27}\text{Pt}_2\text{Sn}_{3.73}$ and $\text{Li}_{2.43}\text{Pt}_2\text{Sn}_{3.57}$

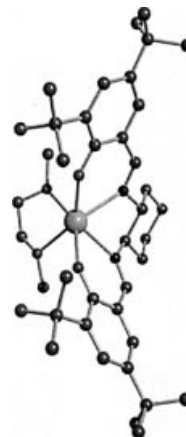
Keywords: Lithium / Tin / Platinum / Intermetallic phases



3432 M. Westerhausen,* S. Schneiderbauer,
A. N. Kneifel, Y. Sötl, P. Mayer, H. Nöth,
Z. Zhong, P. J. Dijkstra, J. Feijen

Organocalcium Compounds with Catalytic Activity for the Ring-Opening Polymerization of Lactones

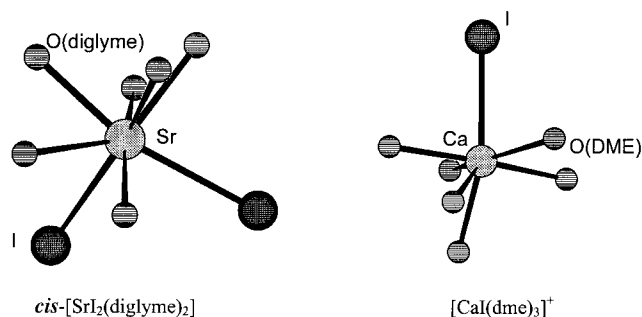
Keywords: N ligands / Calcium / O ligands / Ring-opening polymerization / Tin



3440 K. M. Fromm,* W. Maudez

Polar Molecular Precursors for Alkali and Alkaline Earth Metal Clusters and Low-Dimensional Polymer Structures: the Solid-State Structures of $[\text{CaI}(\text{dme})_3]\text{I}$, and *cis*- $[\text{SrI}_2(\text{diglyme})_2]$ (dme = $\text{CH}_3\text{OC}_2\text{H}_4\text{OCH}_3$; diglyme = $\text{CH}_3(\text{OC}_2\text{H}_4)_2\text{OCH}_3$)

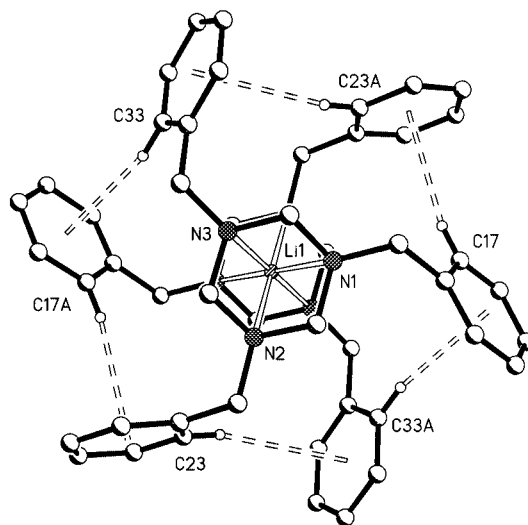
Keywords: Alkaline earth metals / Calcium / Halides / Polar compounds / Strontium



3445 M. G. Davidson,* P. R. Raithby,
A. L. Johnson, P. D. Bolton

Structural Diversity in Lewis-Base Complexes of
Lithium Triflamide

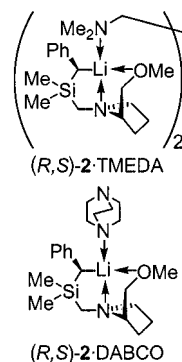
Keywords: Lithium / Solid-state structures / Aggregation / Crystal engineering / Anions



3453 C. Strohmann,* D. H. M. Buchold, T. Seibel,
K. Wild, D. Schildbach

Syntheses and Crystal Structures of Highly
Diastereomerically Enriched Lithiated Benzylsilanes
in the Presence of External Donor Molecules:
Experiment and Theory

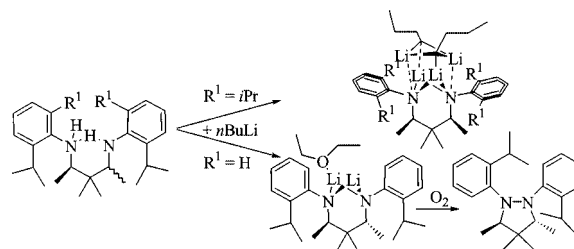
Keywords: Silanes / Lithium / Diastereomers /
Quantum-chemical calculations / Stereochemistry



3464 D. T. Carey, F. S. Mair,* R. G. Pritchard,
J. E. Warren, R. J. Woods

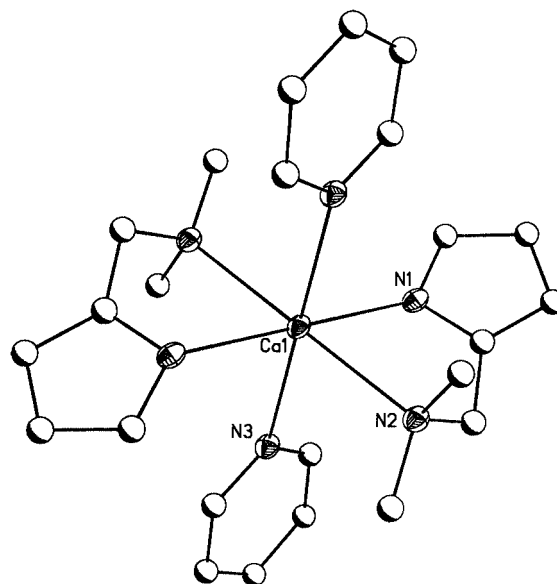
Structures and Reactions of 1,3-Diamidodilithium
Complexes: the Hemisolvated l -[CMe₂-
{CHMeN(R)}₂Li₂·OEt₂], the Unsolvated 1:1
Mixed Organo-amidolithium u -[CMe₂{CHMeN-
(R')}₂Li₂·(*n*BuLi)₂], and the Product of Oxidative
Ring Closure, the Pyrazolidine l -
[(RNCHMe)₂CMe₂] (R = 2-*i*Pr-C₆H₄; R' = 2,6-*i*Pr₂-C₆H₃)

Keywords: Solid-state structures / Lithium /
N ligands / Carbanions



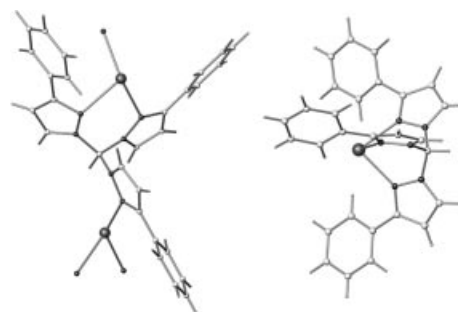
Synthesis, Structures and Characterization of the Calcium Pyrrolates [Ca{(2-(dimethylamino-methyl)pyrrolyl)}₂ donor]_n (donor = THF and pyridine, *n* = 2; DME and TMEDA, *n* = 1) as Potential Precursors for Solid-State Applications

Keywords: Calcium / N ligands / Chemical vapor deposition / Transamination / Metallation / Intramolecular donation



Influence of the Crystallization Solvent on Molecular and Supramolecular Structures of Silver(I) Tris(3-Phenylpyrazolyl)methane Complexes

Keywords: N ligands / Solvent effects / Noncovalent interactions / Silver / Supramolecular chemistry



Synthesis and Characterization of the Very Bulky Phenols Ar*OH and Ar'OH (Ar* = C₆H₃-2,6-Trip₂, Trip = C₆H₂-2,4,6-*i*Pr₃; Ar' = C₆H₃-2,6-Dipp₂, Dipp = C₆H₃-2,6-*i*Pr₂) and Their Lithium and Sodium Derivatives (LiOAr')₂ and (NaOAr*)₂

Keywords: Phenol / Phenoxide / Terphenyl / Alkali metals

