



## Chiral Lithium Amides in Organic Synthesis

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**Abstract:** Chiral lithium amides are intriguing but underexplored reagents in asymmetric synthesis. Recently, our group became interested in using chiral lithium as “traceless” stereodirecting reagents for enolate alkylation chemistry. Progress in this area including new applications, detailed spectroscopic structural studies of key reactive lithium amide-enolate mixed aggregates, stereochemical models, and applications in complex molecule synthesis will be resented..

