

# Probing Novel Parallel Kinetic Resolutions



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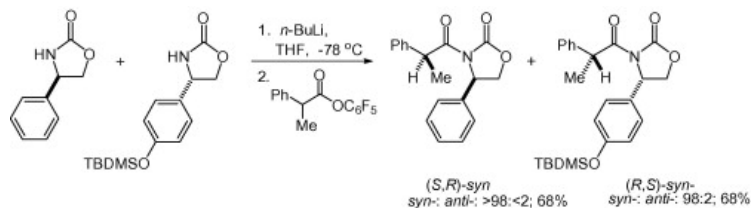
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## Education

- MSc: Pharmaceutical Chemistry, Queen Mary, University of London, 2003
- Ph.D: Synthetic Organic Chemistry, 'Probing Novel Parallel Kinetic Resolutions' Queen Mary University of London 2008 under the supervision of Dr Jason Eames (last 18 months spent at the Department of Chemistry, University of Hull).
- Current position: Lee Group Post-doctoral Fellow and Lab Director, Hope College, MI.

## Presentations and Awards From Ph.D Work

- Brewin Research Prize – July 2005; awarded the by Queen Mary, University of London for outstanding achievement during first year of PhD studies with the department of chemistry.
- 'Probing Novel Parallel Kinetic Resolutions' 18th Regional SCI Postgraduate Symposium, University of Durham, 30th March 2007.
- 'Probing Novel Parallel Kinetic Resolutions' Syngenta Collaborative Research Conference, Jealott's Hill, 6th September 2007.
- Current research topics beings being pursued: synthesis, DNA binding properties and anticancer activity of small molecules



## Publications From PhD Work and Side Projects

1. S. Chavda, G.S. Coumbarides, M. Dingjan, J. Eames, A. Flinn, S. Ghilagaber, J. Northen and Y. Yohannes, *CHIRALITY*, 19: 366-373; Synthesis of Enantiomerically Pure Isotopomers 2-Phenylpropionic Acids.
2. S. Chavda, G.S. Coumbarides, M. Dingjan, J. Eames, A. Flinn and J. Northen, *CHIRALITY*, 19 (5): 366-373; Mutual Kinetic Separation of Isotopomers of 2-Phenyl Propionic Acids using Quasi-Enantiomeric Evans' Oxazolidinones (Full Paper).
3. S. Chavda, E. Boyd, J. Eames and Y. Yohannes, *Tetrahedron: Asymmetry*, 2007, 476-482; Parallel Kinetic Resolution of 2-Methoxy and 2-Phenoxy-substituted Carboxylic Acids using a Combination of Quasi-Enantiomeric Oxazolidinones.
4. S. Chavda, G.S. Coumbarides, M. Dingjan, J. Eames and A. Zorbakhsh, *J. Label Compd Radiopharm*, 2006, 78, 147-151; A Convenient Laboratory Synthesis of Deuterium Labelled Trimethyl Tetradecyl Ammonium Sulphate.
5. S. Chavda, M. Begum, G.S. Coumbarides, M. Dingjan, J. Eames, M.J. Suggate and N. Weerasooriya, *J. Label Compd Radiopharm*, 2006, 49, 707-732; Probing the regioselective C-deuteration of lithium enolates derived from 2-methyl-tetralone in the presence of substituted tertiary amines
6. S. Chavda, J. Eames, A. Flinn, M. Montevalli and N. Malatesti, *Acta Crystallogr.* **2006**, p 4037- 4038, E62, 62 (9); Structural Reports Online: (-)-(4*R*,5*S*)-4-Methyl-3-[2(*R*)-(4-methylphenyl)propionyl]-5-phenyloxazolidin-2-one.
7. S. Chavda, J. Eames, A. Flinn, M. Montevalli and N. Malatesti, *Acta Crystallogr.* **2006**, p4039-4040, E62, 62 (9); Structural Reports Online: (-)-(4*R*,5*S*)-3-[2(*R*)-(4-Chlorophenyl)propionyl]-4- methyl-5-phenyloxazolidin-2-one.

**Credits: Dr Jason Eames and Professor Moses Lee**