



Where Our Expertise Meets Your Outsourcing Needs

Heterocyclic Building Blocks

Our featured building blocks

Five-membered heterocycles:

- Furans . Oxazoles . Isooxazoles
- Thiophenes . Thiazoles . Isothiozoles
- Pyrroles . Pyrrolidines . Pyrazoles
- Imidazoles . Triazoles . Tetrazoles

Six-membered heterocycles:

- Pyridines . Bipyridines
- Piperidines . Piperazines
- Pyrimidines . Pyridazines
- Pyrazines . Morpholines.

Fused heterocycles:

- Indoles . Indazoles . Azaindoles
- Benzothiazoles . Benzooxazoles
- Benzodiazapines . Imidazopyridines
- Quinolines . Isoquinolines
- Quinoxilines . Quinoxalines

Bis-heterocyclic compounds

In addition, ARCI offers custom synthesis of products tailored to your specific needs. For more information, please contact:

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Heterocyclic compounds are ubiquitous in nature, and the ring systems commonly appear in many drugs and natural products approved by FDA for a wide range of therapeutic areas. Any variation in the ring size, nature and position would result in a significant variation in the pharmacological properties of these compounds which had extensively been exploited and thereby increased the scope for the innovative and novel products in this class of compounds. The scientists at ARCI has years of experience and developed a great collection of novel and unique heterocyclic building blocks which possess Lipinski's drug-like properties and suitable for your drug discovery research. ARCI offers a broad range of heterocyclic products of choice.

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Our selected publications:

1. P. Baradi et al., "Synthesis of Pyrrolo[2,1-c][1,4]benzodiazepine Antibiotics:..", *Tetrahedron* **1997**, 51, 3223.
2. D. Yalamati, Lown J.W., "Podophyllotoxins: current status and recent developments". *Curr. Med. Chem.* **1998**, 5, 205.
3. P. Baradi et al., "Design and Efficient Synthesis of Novel DNA Interstrand Cross...", *Synlett* **1999**, 7, 1112.
4. D. Yalamati et al. "Design and Synthesis of Novel PBD-Lexitro-psin conjugates", *Journal of Org. Chem.*, **1999**, 64, 290.
5. S. Bollu et al. "Approaches to Develop DNA Sequence-Specific Agents", *Drugs of the Future*, **2001**, 26, 39.
6. S. Bollu et al. "Total Synthesis and Evaluation of C26-Hydroxy-epothilone D Derivatives..." *Journal of Org. Chem.*, **2010**, 75, 86.