

# Labelled Synthons

<b>Precursor Materials</b>	Barium Carbonate- <sup>13</sup> C Carbon- <sup>13</sup> C Dioxide Diethyl Malonate-2- <sup>13</sup> C Ethyl Acetate-1- <sup>13</sup> C Formic Acid-1- <sup>13</sup> C Iodoacetamide- <sup>15</sup> N Potassium Cyanide- <sup>13</sup> C Urea- <sup>13</sup> C
<b>M + 3 Compounds</b>	Formalin- <sup>13</sup> C, <sub>2</sub> <sup>d</sup> <sub>2</sub> Glycine- <sup>13</sup> C <sub>2</sub> , <sup>15</sup> N Malonic Acid- <sup>13</sup> C <sub>2</sub> Melamine- <sup>15</sup> N <sub>3</sub> (triamine- <sup>15</sup> N <sub>3</sub> ) Thiourea- <sup>13</sup> C <sub>2</sub> , <sup>15</sup> N
<b>M + 4 Compounds</b>	Acetic Acid-1- <sup>13</sup> C, <sub>3</sub> <sup>d</sup> Guanidine- <sup>13</sup> C <sub>3</sub> , <sup>15</sup> N HCl Iodomethane- <sup>13</sup> C, <sub>3</sub> <sup>d</sup> Methyl Alcohol- <sup>13</sup> C, <sub>4</sub> <sup>d</sup>
<b>M + 6 Compounds</b>	Aniline- <sup>13</sup> C <sub>6</sub> Benzene- <sup>13</sup> C <sub>6</sub> Benzoic Acid- <sup>13</sup> C <sub>6</sub> Bromobenzene- <sup>13</sup> C <sub>6</sub> D-Glucose- <sup>13</sup> C <sub>6</sub> Styrene- <sup>13</sup> C <sub>6</sub> Toluene- <sup>13</sup> C <sub>6</sub> 2,4,5Trichlorophenol- <sup>13</sup> C <sub>6</sub>

## Custom Synthesis

### Your Advantage

Since 1987, Isotec has been engaged in the synthesis of labelled compounds. Our compounds synthesis team is composed of an impressive group of experienced professionals who have performed thousands of synthesis projects. Combined with a large inventory of starting materials, Isotec can provide the fastest turnaround on synthesis, allowing our customers to manufacture products and perform research with shorter time to market.

### Technical Knowledge

Isotec's knowledge and expertise allow the production of thousands of labelled compounds and allows the flexibility to meet any customers' needs. With 10 Ph.D. Chemists and 33 Masters- and Bachelors-level and Technicians, Isotec is fully committed to the development of innovative ways to synthesize both, new and existing compounds.

### Quality Control

Isotec uses controls throughout all production processes and tests the final product rigorously to minimize variation and assure superior quality. Our labelled compounds have the highest chemical purity available in the industry.