Cambridge Isotope Laboratories, Inc. introduces the

**INLIGHT® Glycan Tagging Kit**

**Catalog No. GTK-1000**

The INLIGHT® glycan-tagging kit, developed by the David Muddiman group in collaboration with synthetic chemist Daniel Comins at North Carolina State University,\(^1,2\) represents the latest in glycan-labeling technology for the relative quantification of N-linked glycans by mass spectrometry.

CIL is proud to offer the INLIGHT® glycan-tagging kit. Light (natural \(^{12}\)C) and heavy (\(^{13}\)C) reagents and maltoheptaose polysaccharide standard are provided with detailed instructions on the tagging reaction. The INLIGHT glycan-tagging kit includes a detailed protocol for N-linked glycan release, purification, tagging and LC-MS analysis of fetuin and RNase B glycoproteins, accompanied by comprehensive data sets. In addition, the INLIGHT glycan-tagging kit can be applied to complex N-linked glycome samples; a detailed protocol will be included demonstrating INLIGHT quantification of the N-linked glycome derived from plasma.

**Kit contains:**
- Protocol for use
- INLIGHT Heavy Reagent
  CLM-9359 5 × 0.25 mg
  2-(4-Phenethylphenyl) acetohydrazide (4-phenethyl-ring-\(^{13}\)C\(_6\), 99%)
- INLIGHT Light Reagent
  ULM-9358 5 × 0.25 mg
  2-(4-Phenethylphenyl) acetohydrazide (unlabeled)
- Maltoheptaose (unlabeled)
  ULM-9398 5 × 10 μg
