



# ISOTOPE LABELED COMPOUNDS

[lgcstandards.com](http://lgcstandards.com)

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At Toronto Research Chemicals,  
we specialize in turning your ideas into  
scientific realities

**WE MAKE  
YOUR RESEARCH IDEAS  
COME TRUE**

We specialize in the synthesis of Isotopically labeled compounds.

Our reputation is time tested and built on the ability to combine detailed knowledge of labeling and professional synthetic strategy combined with robust design and efficient execution specifically designed for your individual research needs.

All TRC products are delivered with a complete analytical data package, including full spectroscopic analysis, Certificate of Analysis, specified chemical purity by NMR, HPLC, MS & Elemental Analysis.

## Types of Isotope Labeling Services we offer:

- Labeling options with stable isotopes ( $^{13}\text{C}$ ,  $^{15}\text{N}$  & Deuterium)
- Site specific isotope labeling
- Fractional or random labeling
- Selective amino acid type labeling
- Stereo-array isotope labeling (SAIL)
- Isotope-labeling of metabolites to aid drug discovery
- Customize isotope labeling

# ISOTOPE LABELED COMPOUNDS

## ENVIRONMENTAL

- Agro-Research
- Carbon-Fixation
- Pollutants
- Phthalates
- Steroids

## METABOLOMICS

- Lipid Metabolism
- Cellular Metabolism
- Biological Standards
- Intermediates
- Metabolites

## PROTEOMICS

- Peptide Labeling
- Biomolecular NMR
- Chemical tagging

## PHARMACEUTICAL

- Biomarkers
- ADME
- Pharmacokinetics
- Toxicology
- Circulation



**TRC PRODUCTS HAVE BEEN  
CITED IN MORE THAN 1500  
PEER REVIEW ARTICLES,  
BY MORE THAN 2200  
RESEARCHERS, IN MORE THAN  
300 UNIVERSITIES, ACROSS 80  
COUNTRIES**

To find complete product list and  
detailed information, contact



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