NucleoSyn provides custom Stable Isotope Labeled (SIL) Compounds

NucleoSyn, leading supplier of innovative DNA & RNA related products and synthetic lipids, launches new product line & services dedicated to support your bioanalytical, Omics and ADME/DMPK projects: Stable Isotope Labeled (SIL) Compounds.



For a variety of applications in Life Sciences



Stable Isotope Labeled Compounds used as:

Tracers in metabolism and Omic studies using mass spectrometry or NMR spectroscopy



Internal standards in quantitative bioanalysis by LC / MS

Tools to enhance PK of drugs, drug candidates (Deuterium medicinal chemistry)



Tracers for assessing absolute bioavailability of drug candidate



and more...

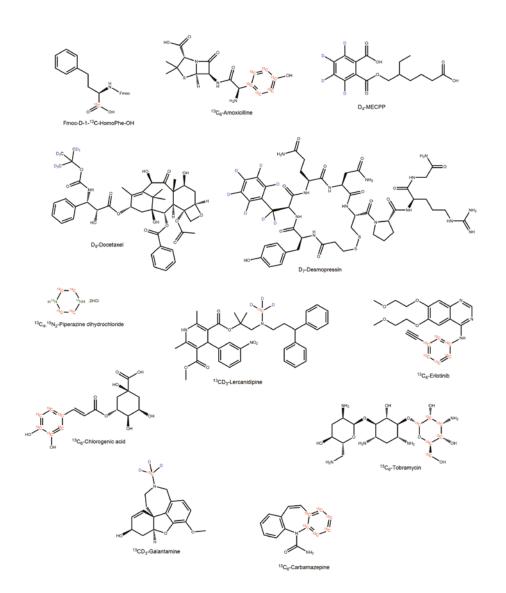


Custom Stable Isotope Labeling Services

- of chemotypes: heterocycle, natural product, amino acid & peptide...
- · For stable isotope dilution assays, prefered labeled isotopes: 15N & 13C (Golden Standard) over ²H labeling in order to ensure optimum co-elution with the unlabeled analytes and optimum isotopic purity
- Experience of labeling a wide range Incorporation of isotopic labels at specific positions of the compound, including site selective and multiple site selective schemes
 - Custom ²H, ¹⁵N, ¹³C, building blocks and reagents synthesis
 - Either with ²H, ¹⁵N or ¹³C or a combination of them



Stable Isotope Labeled Compounds (2H, 15N, 13C): Few examples



Typical Product Packaging

- · Any size possible from µg to multigram quantities
- · In pure form or standardized solution
- · In low actinic amber color glassware (light sensitive product)
- · Under argon (air sensitive product)

Shipment:

- · Shipped cold (e.g. dry ice shipping for temperature sensitive product if necessary)
- · Worldwide delivery





Autumn 2017

SPECIAL REPORT

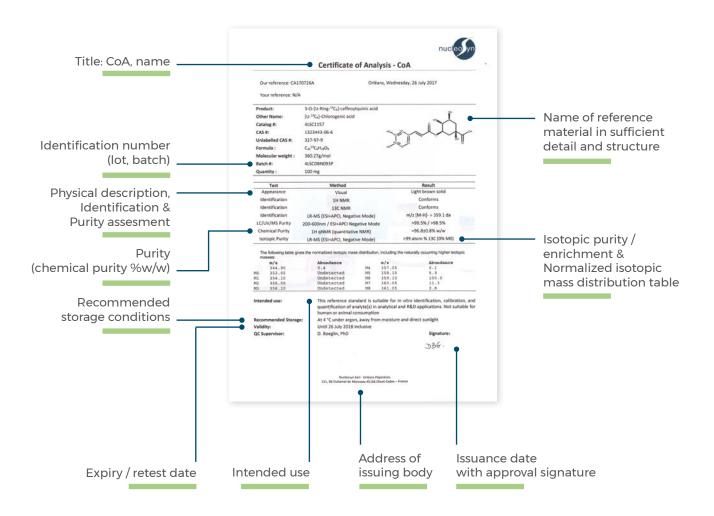


a Biosolve Group company

Typical Certificate of Analysis (CoA)

for Custom Stable Isotope Labeled Analytical Standard

CoA includes:



WWW.GREYHOUNDCHROM.COM









STABLE ISOTOPE LABELED COMPOUNDS LIFE SCIENCE APPLICATIONS

TYPICAL PRODUCT PACKAGING



NucleoSyn provides custom

Stable Isotope (2H, 15N, 13C) Labeled Compounds

to support projects dedicated to:

- **Bioanalytics**
- Omics research
- Molecular imaging
- **Biomarker discovery**

CUSTOM STABLE ISOTOPE LABELING SERVICE

STABLE ISOTOPE
LABELED COMPOUNDS

LIFE SCIENCE APPLICATIONS

TYPICAL PRODUCT PACKAGING