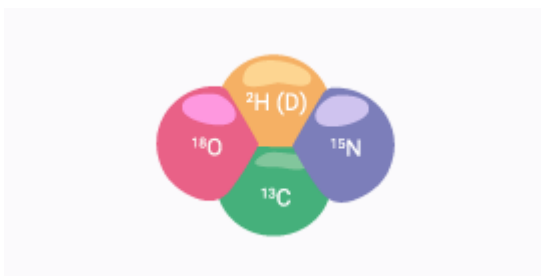


## Isotope-Labeled Compounds (9175)



ISOTOPE-LABELED COMPOUNDS ARE CHEMICAL SUBSTANCES IN WHICH SOME ATOMS IN THEIR MOLECULES ARE REPLACED BY ISOTOPE ATOMS. THE RANGE OF STABLE ISOTOPE PRODUCTS CAN COVER FROM GASES TO COMPLEX MOLECULES. ISOTOPE-LABELED COMPOUNDS COULD PROVIDE A SITE-SPECIFIC INVESTIGATION OF STRUCTURES, MAKING MOLECULES EASILY DETECTABLE BY MASS SPECTROMETRY AND NMR, AND MAINTAINING THE PHYSICO-CHEMICAL PROPERTIES OF THE TARGET MOLECULE

AT THE SAME TIME. MEDCHEMEXPRESS (MCE) ISOTOPE-LABELED COMPOUNDS ARE ALL STABLE ISOTOPE-LABELED COMPOUNDS AND ARE NON-RADIOACTIVE LABELED SUBSTANCES. MCE ISOTOPE-LABELED COMPOUNDS ARE UNIQUE TOOLS FOR IDENTIFYING AND UNDERSTANDING BIOLOGICAL AND CHEMICAL PROCESSES. STABLE ISOTOPE-LABELED PRODUCTS ARE NOW GETTING MORE AND MORE POPULAR AMONG SCIENTISTS. THE SCOPE OF APPLICATION IS GRADUALLY PENETRATING INTO VARIOUS SCIENTIFIC FIELDS, SUCH AS LIFE SCIENCES, FOOD AND MEDICINE, AGRICULTURE, ENVIRONMENT, GEOLOGY, ETC. STABLE ISOTOPE-LABELED COMPOUNDS HAVE A WIDE RANGE OF APPLICATIONS IN THE LIFE SCIENCE AREAS, SUCH AS METABOLOMICS, PROTEOMICS, CLINICAL STUDIES, DEUTERIUM DRUGS, ETC.

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