



TAIYO NIPPON SANSO
The Gas Professionals

April 27, 2018

Taiyo Nippon Sanso Corporation

TNSC Announces the Acquisition of SAIL Technologies Inc.

Taiyo Nippon Sanso Corporation (“TNSC”) announced that it has acquired all shares of SAIL Technologies Inc. (“SAIL”), a manufacturer and distributor of stable isotope-labeled amino acids.

SAIL is a university-born startup established by Masatsune Kainosho, Professor Emeritus of Tokyo Metropolitan University. Professor Kainosho has developed the Stereo-Array Isotope Labeling (SAIL) method.

The SAIL method is an ingenious NMR technology for the structural and functional analysis of proteins—it is the only technology of its kind in the world. The fundamental elements of the SAIL method are amino acids (“SAIL amino acids”*) that have specifically labeled with stable isotopes based on a sophisticated labeling approach. The SAIL method makes it possible for researchers to perform detailed analysis of the dynamics and interaction between biological substances or pharmaceutical agents, a task that was previously difficult. The novel method is expected to be used widely in various biotechnology-related industries, including drug discovery, along with helping to deepen scientific knowledge in cutting-edge life science research fields.

Looking ahead, TNSC will strive to expand sales of SAIL products by leveraging its global sales network, in conjunction with strengthening product development by applying SAIL’s sophisticated organic synthesis and biochemical technologies. Through these efforts, TNSC aims to expand the stable isotope labeled amino acid business.

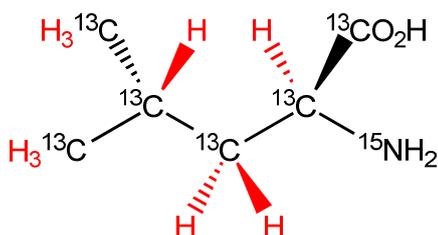
< Profile of SAIL Technologies Inc.>

Head Office: On the premises of Taiyo Nippon Sanso Corporation SI Innovation Center, 2008-2 Wada, Tama-shi, Tokyo 206-0001, Japan

Established: 2004

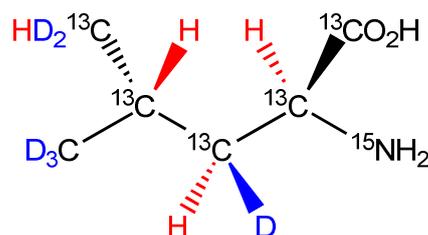
Capital: ¥10 million

*About “SAIL amino”



Conventional Uniform Labeling

Uniformly Isotope labeling all atoms with ^2H , ^{13}C and ^{15}N .



SAIL

Resio- and Stereoselective Isotope labeling using sophisticated organic synthesis