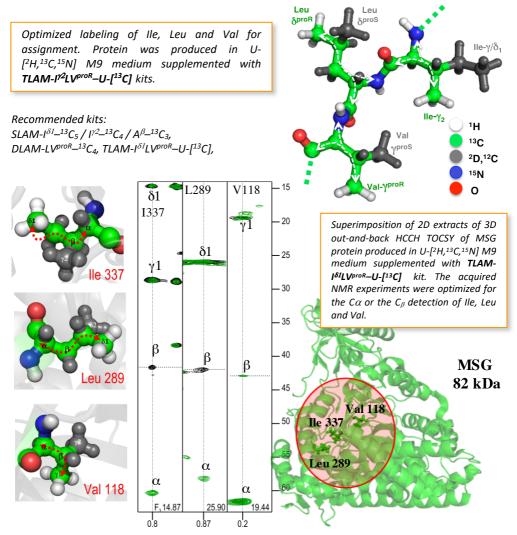


Kits for Methyl Groups Assignment

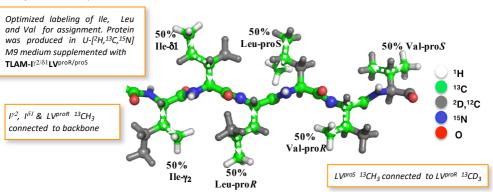
User-friendly solutions for the sequential assignment of Ala, Ile, Leu & Val methyl groups.

NMR-Bio has optimized kits for the assignment of Alanine, Isoleucine, Leucine and Valine residues. Precursors are designed to connect regio- or stereospecific labeled ¹³CH₃ group to the ¹⁵N/¹³C backbone nuclei via *a linear* ¹³C *spin system*. Use our labeling kits to assign separately or simultaneously methyl groups of different amino acids.



Sequential and side chains assignment with stereo- and regio- specific identification of all Ala, Ile, Leu and Val methyl groups using a single sample and a single NMR experiment!

The new NMR-Bio combinatorial labeling kit permits to assign simultaneously Ala- β , Ile- β_1 , Ile- γ_2 , Leu- δ_1 , Leu- δ_2 , Val- γ_1 and Val- γ_2 using a single triple resonance NMR experiment (Out-and-Back HCCH TOCSY) and just one sample.



Examples of kits	¹³ CH₃ groups Labeled	Prices* (1 kit for 1 L. of culture)
SLAM-I ^{δ1} - ¹³ C ₅	$IIe^{\delta 1}$	385 €
SLAM-I $^{\gamma 2}$ -13C ₄	$IIe^{\gamma 2}$	640 €
SLAM-V ^{proR} -13C ₄	Val ^{proR}	530 €
DLAM-LV ^{proR} - ¹³ C ₄	Leu ^{proR} Val ^{proR}	440 €
DLAM-LV ^{proY}	Leu ^{proS} Va ^{proS} LV ^{proS} ¹³ CH ₃ connected to LV ^{proR} ¹³ CD ₃ Through a linear ¹³ C spin system	430€
DLAM-I $^{\delta 1}$ V proR -U-[13 C]	lle ^{δ1} Val ^{proR}	925 €
DLAM-I ^{γ2} V ^{proR} -U-[¹³ C]	Ile ^{γ2} Val ^{proR}	970 €
TLAM-I ^{y2} LV ^{proR} -U-[¹³ C]	lle ^{γ2} Leu ^{proR} Val ^{proR}	870 €
TLAM-I ^{δ1} LV ^{proR} -U-[¹³ C]	lle ^{δ1} Leu ^{proR} Val ^{proR}	825€
$ \begin{array}{c} \text{TLAM-I} \gamma 2/\delta 1 \\ \text{LVproR} & \text{LVproR} & \text{^{13}CH}_3 \text{ connected to backbone LVproS} \\ \text{^{13}CH}_3 & \text{connected to LVproR} & \text{^{13}CD}_3 \end{array} $	$Ile^{\delta 1/\gamma 2}$ Leu $proR/proS$ Va $proR/proS$ Kerfah et al., J Biomol NMR. 2015; 63(4):389-402	950€

For any kit including $U^{-13}C$ -Ala- β , please inquire!



