

# ST-ANDard Isotopic Labelling

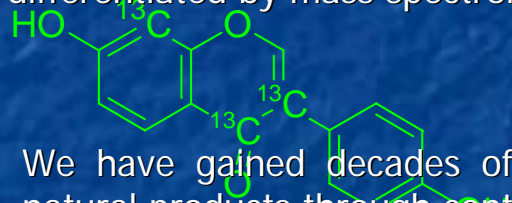
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Manufacturer and supplier of benign labelled natural products for nutraceutical, medicinal and veterinary analysis.

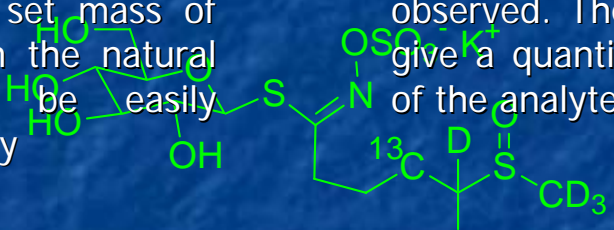
## The ST-ANDIL Solution

We use total synthesis to incorporate three or more non-radioactive heavy isotopes ( $^2\text{H}$ ,  $^{13}\text{C}$ ,  $^{15}\text{N}$ ) into our products in 99+% abundance. This gives IDEAL internal standards which are chemically identical to the analyte. Once combined, their ratio will always remain the same. As our standards have a set mass of three or more units greater than the natural material, their presence can be easily differentiated by mass spectrometry



## Accurate Single Shot Analysis

By simply adding an appropriate amount of our labelled standards to a mixture, it is possible to quantify the key analytes in a single run. The standards response to all mass spectrometry ionisation and detection techniques is identical to the analytes so a linear relationship is always observed. The ratio of isotopic abundance can give a quantitative measure of the percentage of the analyte.



## How can we do this?

We have gained decades of experience in complex organic synthesis and have made many labelled natural products through contract research with governmental food standards agencies and multinationals. Our specialities currently include isoflavones, lignans haptens and glucosinolates. Our product base is expanding and we hope you will contact us to allow us to help you find a labelled standard solution

