



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-310872
Lot Number: SAMPLE
Product Name: 3,3',5-Triiodothyronine-(tyrosine phenyl- $^{13}\text{C}_6$) hydrochloride
CAS Number: 1217473-60-3
Molecular Formula: $(^{13}\text{C})_6\text{C}_6\text{H}_9\text{I}_3\text{NO}_4\cdot\text{HCl}$
Molecular Weight: 693.39

Test	Result
Identification (^1H -NMR)	Consistent with expected product
Identification (^{13}C -NMR)	Consistent with expected product
Identification (Mass Spectrometry)	Sample shows the expected M+6 signal at m/z 657.76 (M+H). The standard shows the expected signal at 651.75 (M+H).
Isotopic Purity (MS)	The labeled product has a molecular weight enhancement of M + 5.96 amu per molecule. This corresponds to an isotope incorporation $\geq 99\%$ with < 0.05% unlabelled material detected.
Purity (HPLC)	97.6% PAR

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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