

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB7470	
Compound name	T3	
Chemical name	O-(4-Hydroxy-3-iodophenyl)-3,5-diiodo-L-tyrosine	
Batch number	E2088-1-1	
Batch molecular formula	C <sub>15</sub> H <sub>12</sub> NI <sub>3</sub> O <sub>4</sub> ·0.5H <sub>2</sub> O	
Batch molecular weight	659.99	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (50 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

27/09/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.