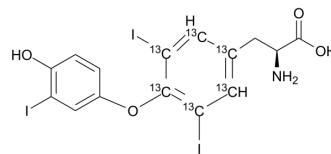


## Liothyronine-13C6-1

Cat. No.:	HY-A0070AS2
CAS No.:	1213431-76-5
Molecular Formula:	C <sub>9</sub> <sup>13</sup> C <sub>6</sub> H <sub>12</sub> I <sub>3</sub> NO <sub>4</sub>
Molecular Weight:	656.93
Target:	Thyroid Hormone Receptor
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Liothyronine-13C6-1 is a 13C-labeled Liothyronine. Liothyronine is a potent thyroid hormone receptors TR $\alpha$  and TR $\beta$  agonist with K<sub>s</sub> of 2.33 nM for hTR $\alpha$  and hTR $\beta$ , respectively<sup>[1][2]</sup>.

### REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

[2]. Lin KH, et al. Stimulation of proliferation by 3,3',5-triiodo-L-thyronine in poorly differentiated human hepatocarcinoma cells overexpressing beta 1 thyroid hormone receptor. *Cancer Lett.* 1994 Oct 14;85(2):189-94.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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