



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

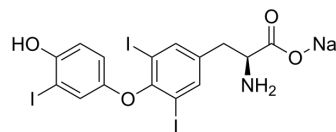
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Liothyronine sodium (Standard)

<b>Cat. No.:</b>	HY-A0070R
<b>CAS No.:</b>	55-06-1
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>11</sub> I <sub>3</sub> NNaO <sub>4</sub>
<b>Molecular Weight:</b>	672.96
<b>Target:</b>	Endogenous Metabolite; Thyroid Hormone Receptor
<b>Pathway:</b>	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Liothyronine (sodium) (Standard) is the analytical standard of Liothyronine (sodium). This product is intended for research and analytical applications. Liothyronine sodium is an active form of thyroid hormone. Liothyronine sodium is a potent thyroid hormone receptors TR $\alpha$ and TR $\beta$ agonist with K <sub>i</sub> s of 2.33 nM for hTR $\alpha$ and hTR $\beta$ , respectively <sup>[1][2][3]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	TR $\beta$ 1 <sup>[1][2]</sup>

### REFERENCES

- [1]. 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.
- [2]. Bhat MK, et al. Conformational changes of human beta 1 thyroid hormone receptor induced by binding of 3,3',5-triiodo-L-thyronine. *Biochem Biophys Res Commun.* 1993 Aug 31;195(1):385-92.
- [3]. Hiroaki Shiohara, et al. Discovery of novel indane derivatives as liver-selective thyroid hormone receptor  $\beta$  (TR $\beta$ ) agonists for the treatment of dyslipidemia. *Bioorg Med Chem.* 2012 Jun 1;20(11):3622-34.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA