

Product Name	: Levothyroxine sodium
Synonyms	: L-T4 sodium, L-Thyroxine sodium, LT4 sodium
Cat No.	: M22952
CAS Number	: 1955-03-8
Molecular Formula	: C ₁₅ H ₁₀ I ₄ NO ₄ .Na
Formula Weight	: 798.85
Chemical Name	: —
Description	Levothyroxine, the major hormone derived from the thyroid gland, is the agonist of Thyroid hormone receptor alpha and beta. Levothyroxine (L-T ₄) can upregulate the expression of P-gp mRNA and protein in LS180 cells, but only L-T ₄ and L-T ₃ can produce the same effect in Caco-2 cells, which are relatively lacking in PXR.
Pathway	: Others
Target	: Other Targets
Receptor	: Thyroid Hormone
Solubility	: DMSO: 100 mg/ml (125.18 mM)
SMILES	: <chem>N[C@@H](CC1=CC(I)=C(OC2=CC(I)=C(O)C(I)=C2)C(I)=C1)C([O-])[Na+]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Mitin T, et al. Drug Metab Dispos. 2004, 32(8):779-82.