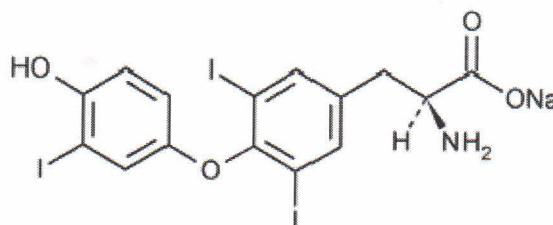


Batch no	IF-LI-230916
Mf date	Sep 16 2023
Expiry	Sep 15 2026

Molecular Structure



Molecular Formula $C_{15}H_{11}I_3NNaO_4$
Molecular Weight 672.96
CAS Registry Number 55-06-1

Oct 08 2023

Tests	Specifications	Results
Appearance	Light yellow to buff-colored powder	Conforms
Solubility	Very slightly soluble in water; slightly soluble in alcohol; practically insoluble in most other organic solvents	Conforms
Identification	UV, Tests with sulfuric acid & sodium, RRT	Positive
Specific rotation	+18° ~ +22°	+20.1°
Loss on drying (105°C, 2hr)	≤ 4.0%	2.08%
Sodium content	2.9 ~ 4.0%	3.14%
Chloride content	≤ 1.2%	< 1.2%
Levothyroxine sodium (HPLC)	≤ 5.0%	1.38%
Assay HPLC (odb)	95.0 ~ 101.0% of $C_{15}H_{11}I_3NNaO_4$	98.5%
Packaging & storage	Preserve in well-closed, light-resistant & tight containers; in cool & dry place	
Long term storage	Storage temperature: 2 ~ 8°C	
Conclusion	Material complies with USP41	