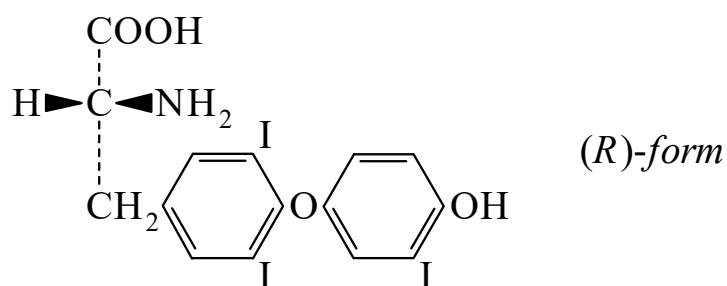




>>Entry Name: **3,3',5-Triiodothyronine**

Synonym(s): *O*-(4-Hydroxy-3-iodophenyl)-3,5-diiodotyrosine, 9Cl. 3-[4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]alanine. 3'-Deiodothyroxine. Triothyronine. Many other names



CAS Registry Number: 327-86-6

Related CAS Registry Numbers(s): 20196-64-9 24359-14-6

Molecular Formula: C₁₅H₁₂I₃NO₄

Molecular Weight: 650.978

Accurate Mass: 650.790053

Percentage Composition: C 27.68%; H 1.86%; I 58.48%; N 2.15%; O 9.83%

Calculated Log P Data: Log P 2.87 (uncertain value) (calc)

Other Data: ¹²⁵I and ¹³¹I labelled compds. are used as radioactive agents; Triomet-125 and Tri-Thyrotope

>>Variant: *(R)*-form

Synonym(s): D-form. **Detrothyronine**, INN. Dextrothyronine. SKFD 2623

CAS Registry Number: 5714-08-9

Molecular Formula: C₁₅H₁₂I₃NO₄

Molecular Weight: 650.978

Accurate Mass: 650.790053

Percentage Composition: C 27.68%; H 1.86%; I 58.48%; N 2.15%; O 9.83%

Use/Importance: Antihyperlipidaemic agent

Development Status: Never marketed

Sigma: T2502

>>Variant: *(S)*-form

Synonym(s): L-form. **Liothyronine**, BAN, INN, USAN. T₃. Many other names

CAS Registry Number: 6893-02-3

Molecular Formula: C₁₅H₁₂I₃NO₄

Molecular Weight: 650.978

Accurate Mass: 650.790053

Percentage Composition: C 27.68%; H 1.86%; I 58.48%; N 2.15%; O 9.83%

Use/Importance: Thyroid hormone

Melting Point: Mp 236-237 dec.°

Optical Rotation: [α]_D³⁰ +21.5 (c, 4.75 in EtOH/1M HCl)

Hazard & Toxicity: Exp. reprod. and teratogenic effects

Aldrich: 27177-2

Fluka: 91990

Sigma: T2877

>>Derivative: Hydrochloride

Synonym(s): Thybon

CAS Registry Number: 6138-47-2

Physical Description: Long needles

Melting Point: Mp 202-203 dec.°

>>Derivative: Na salt

Synonym(s): **Liothyronine sodium**, BAN, USAN. Cytobin. Cytomel. Cytomine. Tertroxin. Cynomel

CAS Registry Number: 55-06-1

Other Data: Component of Liotrix, Euthroid and Thyrolar

Hazard & Toxicity: Adverse human effects when used therapeutically (corresponding with symptoms of hyperthyroidism)

Fluka: 92010

Sigma: T2752