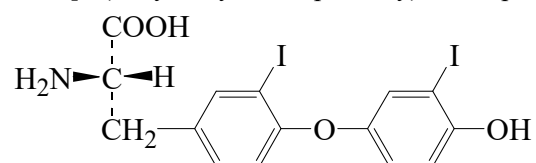




>>Entry Name: **3,3'-Diiodothyronine**

Synonym(s): *O*-(4-Hydroxy-3-iodophenyl)-3-iodotyrosine, 9Cl. 3-[4-(4-Hydroxy-3-iodophenoxy)-3-iodophenyl]alanine, 8Cl



CAS Registry Number: 4604-41-5

Extra CAS Registry Numbers(s): 70-40-6

Type of Compound Code(s): VV0100

Molecular Formula: C₁₅H₁₃I₂NO₄

Molecular Weight: 525.081

Accurate Mass: 524.893405

Percentage Composition: C 34.31%; H 2.50%; I 48.34%; N 2.67%; O 12.19%

Biological Source: Constit. of blood in mammals

Metabolism: Metab. of thyroxine in humans

Physical Description: Cryst. + 2H₂O (MeOH aq.)

Melting Point: Mp 198-199° (as dihydrate)

References:

Gemmill, C.L. *et al.*, *J.A.C.S.*, 1956, **78**, 2434-2436, (*synth*)

Gavin, L.A. *et al.*, *J. Clin. Invest.*, 1978, **61**, 1276-1285, (*formn*)

Michel, R., *Rev. Fr. Endocrinol. Clin., Nutr. Metab.*, 1984, **25**, 95-106, (*formn*)