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Therapeutic applications of thyroid hormone analogues in resistance to thyroid hormone (RTH) syndromes

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Abbreviations

TH, thyroid hormone; T3, 3,3',5-triiodothyronine; TR, T3-receptors; RTH, resistance to thyroid hormone; Triac, 3,3',5-triiodothyroacetic acid; DITPA, 3,5-diiodothyropropionic acid; Tetrac, 3,3',5,5'-tetraiodothyroacetic acid; T4, thyroxine; DIO, deiodinase; rT3, 3,3',5'-triiodothyronine; MCT8, monocarboxylate transporter; SBP2, SECIS-binding protein 2; D, dextro; TTR, transthyretin; L, levo; LBD, ligand binding domain; FT4, free T4; PTU, Propylthiouracil; GC-1, 3,5-dimethyl-4-(4-hydroxy-3-isopropylbenzyl)-phenoxy acetic acid; AHDS, Allan-Herndon-Dudley syndrome; TFTs, thyroid function tests; BBB, blood-brain-barrier; KO, knock-out; OATP, organic anion transporting polypeptide; DKO, double knock-out; SHBG, sex hormone-binding globulin.

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