

Thyrofresh™

Thyroxine Sodium is a synthetic thyroid hormone drug that address low levels of natural occurring Thyroxine or T4. Thyroxine works by releasing T4 which is regulated by the hypothalamic-pituitary thyroxine axis. Thyrotropin releasing hormone (TRH) is released from the hypothalamus and triggers secretion of thyroid stimulating hormone (TSH) from the anterior Pituitary. The presence of TSH stimulates synthesis and secretion of T4 and T3 by the Thyroid.

Mechanism of action:

T3 and T4



Diffuse into Cell membrane



Bind to thyroid hormone receptor proteins on DNA



Regulate normal Growth & development, Maturation of the CNS & bone formation.

Indications:

Hypothyroidism (low levels of T4)
Hashimoto's thyroiditis (auto-immune disorders)
Goiter
Patients after surgery
Total absence of thyroid gland
Primary atrophy



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