

Product Name : Epithalon TFA**Synonyms** : —**Cat No.** : M22316**CAS Number** :**Molecular Formula** : C₁₆H₂₃F₃N₄O₁₁**Formula Weight** : 504.37**Chemical Name** : —

Description : Epitalon TFA is an anti-aging agent and telomerase activator. Addition of Epithalon peptide in telomerase-negative human fetal fibroblast culture induced expression of the catalytical subunit, enzymatic activity of telomerase, and telomere elongation, which can be due to reactivation of telomerase gene in somatic cells and indicates the possibility of prolonging life span of a cell population and of the whole organism. Epitalon increases the lifespan of mice and fruit flies and restores the circadian rhythms of melatonin and cortisol production in old rhesus monkeys. At the same time, Epitalon prolongs the functional integrity of the eye retina in Campbell rats with hereditary Retinitis Pigmentosa and improves the visual functions in patients with pigmental retinal degeneration.

Pathway : Others**Target** : Other Targets**Receptor** : Others**Solubility** : DMSO:250 mg/mL (495.67 mM; Need ultrasonic)**SMILES** : —**Storage** : (-20°C)**Stability** : ≥ 2 years**Reference** :

1. Khavinson VKh. et al. Peptides and Ageing. Neuro Endocrinol Lett. 2002;23 Suppl 3:11-144.