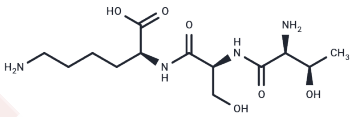
Data Sheet (Cat.No.T26276)

TargetMol

Threonyl-seryl-lysine

Chemical Properties



CAS No. : 71730-64-8

Formula: C13H26N4O6

Molecular Weight: 334.37

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Threonyl-seryl-lysine has antigonadotropic activity isolated from bovine pineals.
Targets(IC50)	GNRH Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9907 mL	14.9535 mL	29.907 mL
5 mM	0.5981 mL	2.9907 mL	5.9814 mL
10 mM	0.2991 mL	1.4953 mL	2.9907 mL
50 mM	0.0598 mL	0.2991 mL	0.5981 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Orts RJ, Bruot BC, Sartin JL. Inhibitory properties of a bovine pineal tripeptide, threonylseryllysine, on serum follicle-stimulating hormone. Neuroendocrinology. 1980 Aug;31(2):92-5. PubMed PMID: 6771670.

Vaughn MK. The pineal gland--a survey of its antigonadotropic substances and their actions. Int Rev Physiol. 1981; 24:41-95. Review. PubMed PMID: 6790451.

Root-Bernstein RS, Westall FC. Bovine pineal antireproductive tripeptide binds to luteinizing hormone-releasing hormone: a model for peptide modulation by sequence specific peptide interactions? Brain Res Bull. 1986 Oct;17 (4):519-28. PubMed PMID: 3536000.

Benson B. Bovine pineal tripeptide threonylseryllysine retards puberty in female rats. J Pineal Res. 1989;6(4):351-7. PubMed PMID: 2732895.

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