

GnRH Associated Peptide (GAP) (1-13), human

Cat. No.: HY-P1174
CAS No.: 100111-07-7
Molecular Formula: C₆₅H₁₀₁N₁₅O₂₅
Molecular Weight: 1492.58
Sequence Shortening: DAENLIDSFQEIV
Target: GnRH Receptor
Pathway: GPCR/G Protein
Storage: Sealed storage, away from moisture and light
 Powder -80°C 2 years
 -20°C 1 year

DAENLIDSFQEIV

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (67.00 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.6700 mL	3.3499 mL	6.6998 mL
	5 mM		0.1340 mL	0.6700 mL	1.3400 mL
	10 mM		0.0670 mL	0.3350 mL	0.6700 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

GnRH Associated Peptide (GAP) (1-13), human is an amino acid peptide fragment derived from GnRH. GAP can increase the secretion of luteinizing hormone (LH) and follicle-stimulating hormone (FSH) in rat anterior pituitary cells. GAP also inhibit the secretion of prolactin^[1].

IC₅₀ & Target

LH, FSH, Prolactin^[1]

REFERENCES

[1]. Nikolics K, et al. A prolactin-inhibiting factor within the precursor for human gonadotropin-releasing hormone. Nature. 1985 Aug 8-14;316(6028):511-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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