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

Cat. No.: HY-P1174

CAS No.: 100111-07-7

Molecular Formula: $C_{65}H_{101}N_{15}O_{25}$

Molecular Weight: 1493

Sequence Shortening: DAENLIDSFQEIV

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

* 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 (66.98 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	0.6698 mL	3.3490 mL	6.6979 mL
	5 mM	0.1340 mL	0.6698 mL	1.3396 mL
	10 mM	0.0670 mL	0.3349 mL	0.6698 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].

IC_{50} & 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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