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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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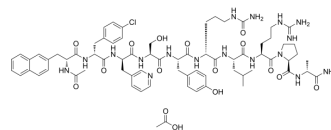
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Cetrorelix Acetate

Cat. No.:	HY-P0009A
CAS No.:	145672-81-7
Molecular Formula:	C ₇₂ H ₉₆ ClN ₁₇ O ₁₆
Molecular Weight:	1491.09
Sequence:	N-acetyl-{2-Naph-Ala}-{Cl-Phe}-{3Py-Ala}-Ser-Tyr-{Cit}-Leu-Arg-Pro-Ala-NH ₂
Sequence Shortening:	Ac-{2-Naph-Ala}-{Cl-Phe}-{3Py-Ala}-SY-{Cit}-LRPA-NH ₂
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 : 50 mg/mL (33.53 mM; Need ultrasonic)
H₂O : 2 mg/mL (1.34 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.6707 mL	3.3533 mL	6.7065 mL
	5 mM	0.1341 mL	0.6707 mL	1.3413 mL
	10 mM	0.0671 mL	0.3353 mL	0.6707 mL

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

BIOLOGICAL ACTIVITY

Description	Cetrorelix Acetate (SB-75 acetate) is a potent gonadotropin-releasing hormone (GnRH) receptor antagonist with an IC ₅₀ of 1.21 nM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.21 nM GnRH ^[1] .
In Vitro	Cetrorelix Acetate inhibits growth of ES-2 cell line at 1000 ng/ml. Cetrorelix Acetate has comparable antiproliferative effects as GnRH-I agonists indicating that the dichotomy of GnRH-I agonists and antagonists might not apply to the GnRH-I system in cancer cells ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Gen Comp Endocrinol. 2021 Mar 9;113754.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Beckers T et al. Characterization of gonadotropin-releasing hormone analogs based on a sensitive cellular luciferase reporter gene assay. Anal Biochem. 1997 Aug 15;251(1):17-23.

[2]. Gründker C et al. Role of gonadotropin-releasing hormone (GnRH) in ovarian cancer. Reprod Biol Endocrinol. 2003 Oct 7;1:65.

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

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