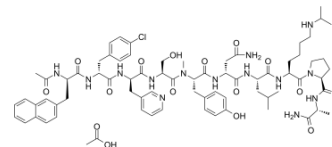


Abarelix Acetate

Cat. No.:	HY-13534A		
Molecular Formula:	C ₇₄ H ₉₉ ClN ₁₄ O ₁₆		
Molecular Weight:	1476.12		
Target:	GnRH Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (67.75 mM)
 H₂O : 25 mg/mL (16.94 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.6775 mL	3.3873 mL	6.7745 mL
	5 mM	0.1355 mL	0.6775 mL	1.3549 mL
	10 mM	0.0677 mL	0.3387 mL	0.6775 mL

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

In Vivo

- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**
 Solubility: ≥ 2.5 mg/mL (1.69 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
 Solubility: ≥ 2.5 mg/mL (1.69 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
 Solubility: ≥ 2.5 mg/mL (1.69 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Abarelix Acetate (PPI 149 Acetate; R 3827 Acetate) is a potent **gonadotrophin-releasing hormone (GnRH)** antagonist, used for prostate cancer research^[1].

IC₅₀ & Target

GnRH^[1]

CUSTOMER VALIDATION

- Am J Physiol Endocrinol Metab. 2020 May 12.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Koechling W, et al. A novel GnRH antagonist, causes minimal histamine release compared with abarelix in an ex vivo model of human skin samples. Br J Clin Pharmacol. 2010 Oct;70(4):580-7.

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

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