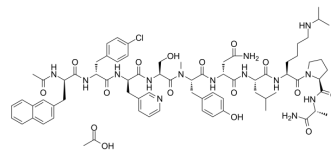


Abarelix Acetate

Cat. No.: HY-13534A
Molecular Formula: C₇₄H₉₉ClN₁₄O₁₆
Molecular Weight: 1476.12
Target: GnRH Receptor
Pathway: GPCR/G Protein
Storage: Sealed storage, away from moisture
 Powder -80°C 2 years
 -20°C 1 year



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

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	Mass	1 mg	5 mg	10 mg
	Concentration				
	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 Jul 1;319(1):E81-E90.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Koehling 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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