





## GnRH Agonists—Alternative to Lucrin Inj.

The manufacturer of Lucrin Inj. in Malaysia, AbbVie has issued out a notice on product discontinuation due to supply disruption from its third party manufacturer (TPM), Takeda. According to Fierce Pharma Portal, Takeda is guilty of breach of contract as it failed to fulfill orders, maintain its plant in compliance with good manufacturing practices and to maintain a safety stock.

In HCTM, Lucrin Inj. is approved for endometriosis, uterine fibroid, treatment of prostate cancer in patients where surgical orchidectomy is contraindicated, and treatment of Central Precocious Puberty when prescribed by Urologists, O&G Specialists, Pediatric Endocrinologists, and Oncologists only.

In view of this shortage, these are the suggested alternatives:

	<b>DISCONTINUED</b>			
	<b>Lucrin® Depot 11.25mg 3 monthly</b>	<b>Lucrin® Depot 3.75mg monthly</b>	<b>Zoladex® LA 10.8mg 3 monthly</b>	<b>Diphereline® PR 3.75mg monthly</b>
<b>Advanced Prostate Cancer</b>	✓	✓	✓	✓
<b>Breast Cancer</b>	✓	✓	✓	✓
<b>Endometriosis</b>	✓	✓		✓
<b>Uterine Fibroid</b>	✓	✓		✓
<b>Central Precocious Puberty</b>		✓		✓

Further information regarding the doses, route of administration and policy are listed in the table below:

<b>Lucrin Depot (Leuporelin Acetate) 11.25mg &amp; 3.75mg</b>	<b>Zoladex LA (Goserelin Acetate) 10.8mg</b>	<b>Diphereline PR (Triptorelin Acetate) 3.75mg</b>
Intramuscular (IM) or Subcutaneous (SC)	<b>Subcutaneous (SC) only</b>	<b>Intramuscular (IM) only</b>
	SF: Urologists, O&G Specialists & Oncologists only. Patients pay RM100/syringe	A*: For treating Endometriosis, Leiomyoma Uteri & Precocious Puberty
<b>REGISTERED INDICATIONS IN MALAYSIA</b>		
<b>ADVANCED PROSTATE CANCER</b>		
11.25mg every 3 months or 3.75mg every 1 month	10.8mg every <b>3 months</b>	3.75mg every <b>4 weeks</b> used alone or as concomitant and adjuvant to radiotherapy
<b>BREAST CANCER (ADJUVANT TREATMENT IN PREMENOPAUSAL WOMEN)</b>		
11.25mg every 3 months 3.75mg every 1 month	10.8mg every <b>3 months</b>	3.75mg every <b>4 weeks</b> in combination with tamoxifen or an aromatase inhibitor.  *Initiated at least 6-8 weeks prior to tamoxifen or an aromatase inhibitor

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Lucrin Depot (Leuprorelin Acetate) 11.25mg & 3.75mg	Zoladex LA (Goserelin Acetate) 10.8mg	Diphereline PR (Triptorelin Acetate) 3.75mg
Intramuscular (IM) or Subcutaneous (SC)	Subcutaneous (SC) only	Intramuscular (IM) only
<b>REGISTERED INDICATIONS IN MALAYSIA</b>		
<b>ENDOMETRIOSIS</b>		
11.25mg every 3 months or 3.75mg every 1 month	Not registered in Malaysia for this indication	3.75mg every <b>4 weeks</b> Initiated within first 5 days of menstrual cycle.  Duration for at least 4 months and not longer than 6 months
<b>UTERINE FIBROID PRIOR TO SURGERY (ASSOCIATED WITH ANEMIA <math>\leq 8</math> g/dL)</b>		
11.25mg every 3 months or 3.75mg every 1 month	Not registered in Malaysia for this indication	3.75mg every <b>4 weeks</b> , Initiated within first 5 days of menstrual cycle.  Duration restricted to 3 months
<b>CENTRAL PRECOCIOUS PUBERTY</b>		
Before 8 years old in girls and 9 years old in boys  Once a month  Starting dose of 0.3mg/kg (min 7.5mg),  Alternatively,  $\leq 25$ kg: 7.5mg $> 25$ to 37.5kg: 11.25mg $>37.5$ kg: 15mg	Not registered in Malaysia for this indication	Before 8 years old in girls and 10 years old in boys  <b>Every 4 weeks</b>  <20kg: half the dose 20-30kg: two-thirds of the dose >30kg: 3.75mg

#### Storage and Stability:

Zoladex® LA: Store below 30°C. Use immediately after opening pouch

Diphereline® PR: Store below 30°C. Use immediately once reconstituted

#### Reference:

- <https://www.fiercepharma.com/pharma/takeda-guilty-breach-contract-spat-abbvie-over-supply-problems-prostate-cancer-drug-lupron>
- Product Insert Lucrin Depot® 11.25mg & 3.75mg, Zoladex® LA 10.8mg and Dipherelin® PR 3.75mg.

PPUKM Formulary App is now available on:



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