



LKT Laboratories, Inc.

Desvenlafaxine Succinate Hydrate

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Product Information

Product ID D1874

CAS No. 386750-22-7

Chemical Name 4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]-phenol succinate

Synonym Pristiq

Formula $C_{16}H_{25}NO_2 \cdot C_4H_6O_4 \cdot H_2O$

Formula Wt. 399.48

Melting Point

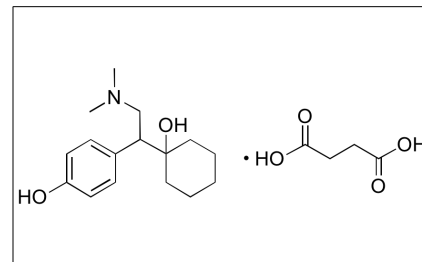
Purity $\geq 99\%$

Solubility Soluble in water (50 mM),
and DMSO (100 mM)

Store Temp Ambient

Ship Temp Ambient

Description Desvenlafaxine is an active metabolite of venlafaxine, displaying neuromodulatory and antidepressant activities through its inhibition of serotonin and norepinephrine transporters (SERT, NET). Due to its modulation of serotonin levels, desvenlafaxine alters rates of gastric emptying; tolerance to this effect develops quickly during chronic administration. This compound is also in clinical trials as a potential treatment for menopausal hot flashes.



Bulk quantities available upon request

Product ID **Size**

D1874 25 mg

D1874 100 mg

D1874 250 mg

D1874 1 g

References Song J, Yin J, Chen JD. Acute and chronic effects of desvenlafaxine on gastrointestinal transit and motility in dogs. *Neurogastroenterol Motil.* 2013 Jul 19. [Epub ahead of print]. PMID: 23865827.

Sun Z, Hao Y, Zhang M. Efficacy and safety of desvenlafaxine treatment for hot flashes associated with menopause: a meta-analysis of randomized controlled trials. *Gynecol Obstet Invest.* 2013;75(4):255-62. PMID: 23548358.

DeMartinis NA, Yeung PP, Entsua R, et al. A double-blind, placebo-controlled study of the efficacy and safety of desvenlafaxine succinate in the treatment of major depressive disorder. *J Clin Psychiatry.* 2007 May;68(5):677-88. PMID: 17503976.

Deecher DC, Beyer CE, Johnston G, et al. Desvenlafaxine succinate: A new serotonin and norepinephrine reuptake inhibitor. *J Pharmacol Exp Ther.* 2006 Aug;318(2):657-65. PMID: 16675639.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.