



LKT Laboratories, Inc.

Dapivirine

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Product Information

Product ID D0261

CAS No. 244767-67-7

Chemical Name

Synonym TMC120, R147681

Formula $C_{20}H_{19}N_5$

Formula Wt. 329.41

Melting Point

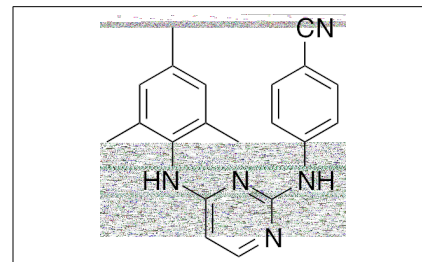
Purity $\geq 98\%$

Solubility 0.2mg/ml in DMSO and 0.3 mg/ml in DMF, sparingly soluble in aqueous buffers

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Dapivirine is a non-nucleoside reverse transcriptase inhibitor (NNRTI) that is currently in clinical trials as a prophylactic against HIV infection. In various models such as dendritic cells and T cells, dapivirine exhibits antiviral activity by suppressing viral replication.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D0261	1 mg	\$112.60
D0261	5 mg	\$245.10
D0261	25 mg	\$759.70

References Devlin B, Nuttall J, Wilder S, et al. Development of dapivirine vaginal ring for HIV prevention. *Antiviral Res.* 2013 Dec;100 Suppl:S3-8. PMID: 24188702.

Gupta SK, Nutan. Clinical use of vaginal or rectally applied microbicides in patients suffering from HIV/AIDS. *HIV AIDS (Auckl).* 2013 Oct 22;5:295-307. PMID: 24174883.

Njai HF, Lewi PJ, Janssen CG, et al. Pre-incubation of cell-free HIV-1 group M isolates with non-nucleoside reverse transcriptase inhibitors blocks subsequent viral replication in co-cultures of dendritic cells and T cells. *Antivir Ther.* 2005;10(2):255-62. PMID: 15865220.

Van Herrewege Y, Michiels J, Van Roey J, et al. In vitro evaluation of nonnucleoside reverse transcriptase inhibitors UC-781 and TMC120-R147681 as human immunodeficiency virus microbicides. *Antimicrob Agents Chemother.* 2004 Jan;48(1):337-9. PMID: 14693562.

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