



LKT Laboratories, Inc.

Roscovitine

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## Product Information

**Product ID** R5774

**CAS No.** 186692-46-6

**Chemical Name** 2-(R)-(1-Ethyl-2-hydroxyethylamino)-6-benzylamino- 9-isopropylpurine

**Synonym** Seliciclib, CYC202

**Formula** C<sub>19</sub>H<sub>26</sub>N<sub>6</sub>O

**Formula Wt.** 354.45

**Melting Point** 106-109 °C

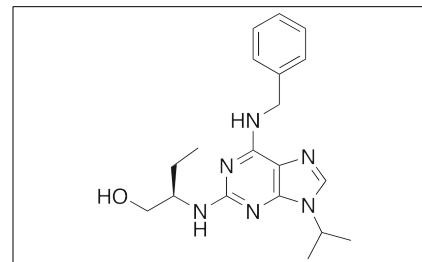
**Purity** ≥98%

**Solubility** Soluble in DMSO or chloroform.

**Store Temp** -20 °C

**Ship Temp** Ambient

**Description** Roscovitine is an inhibitor of CDKs (1, 2, 5, 7, 9, 12) and L-type Ca<sup>2+</sup> channels; it exhibits anti-inflammatory and anticancer activities. Roscovitine resolves neutrophil-driven inflammation. In B-cell lymphoma cells, roscovitine induces cell cycle arrest and apoptosis and inhibits proliferation.



**Bulk quantities available upon request**

Product ID	Size
R5774	1 mg
R5774	5 mg
R5774	10 mg

**References** Leitch AE, Haslett C, Rossi AG. Cyclin-dependent kinase inhibitor drugs as potential novel anti-inflammatory and pro-resolution agents. *Br J Pharmacol.* 2009 Oct;158(4):1004-16. PMID: 19775281.

Yarotskyy V, Elmslie KS. Roscovitine, a cyclin-dependent kinase inhibitor, affects several gating mechanisms to inhibit cardiac L-type (Ca<sub>v</sub>1.2) calcium channels. *Br J Pharmacol.* 2007 Oct;152(3):386-95. PMID: 17700718.

Lacrima K, Rinaldi A, Vignati S, et al. Cyclin-dependent kinase inhibitor seliciclib shows in vitro activity in diffuse large B-cell lymphomas. *Leuk Lymphoma.* 2007 Jan;48(1):158-67. PMID: 17325859.

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