



LKT Laboratories, Inc.

Spiramycin

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Product Information

Product ID S6232

CAS No. 8025-81-8

Chemical Name

Synonym Selectomycin, rovamycin, RP-5337

Formula $C_{43}H_{74}N_2O_{14}$

Formula Wt. 842.05

Melting Point

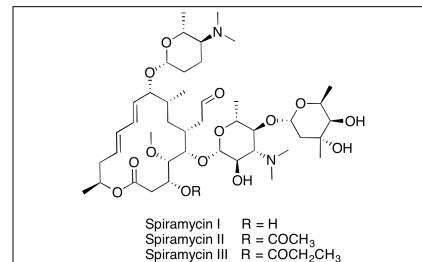
Purity ≥ 3900 IU/mg

Solubility Slightly soluble in water.
Soluble in most organic
solvents, DMSO.

Store Temp Ambient

Ship Temp Ambient

Description Spiramycin is a macrolide antibiotic that is clinically used to treat toxoplasmosis and other soft tissue infections. Spiramycin exhibits antibacterial efficacy against *Toxoplasma*, inhibiting bacterial protein synthesis. In vitro, spiramycin decreases levels of IL-10 and TNF- α , and in vivo, it decreases *Toxoplasma*-induced brain cysts.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
S6232	1 g	\$81.10
S6232	5 g	\$277.90

References Kieffer F, Wallon M. Congenital toxoplasmosis. *Handb Clin Neurol*. 2013;112:1099-101. PMID: 23622316.

Büyükbaba Boral O, Sönmez Tamer G, Keçeli Özcan S, et al. Investigation of combined effectiveness of spiramycin and beta-glucan in mice models of acute toxoplasmosis and determination of IL-10, IL-12 and TNF- α levels. *Mikrobiyol Bul*. 2012 Jul;46(3):446-55. PMID: 22951656.

Chew WK, Segarra I, Ambu S, et al. Significant reduction of brain cysts caused by *Toxoplasma gondii* after treatment with spiramycin coadministered with metronidazole in a mouse model of chronic toxoplasmosis. *Antimicrob Agents Chemother*. 2012 Apr;56(4):1762-8. PMID: 22271863.

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