



LKT Laboratories, Inc.

## Silodosin

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)

Web: [lktlabs.com](http://lktlabs.com)

### Product Information

Product ID S3346

CAS No. 160970-54-7

Chemical Name

Synonym KAD 3213, KMD 3213

Formula  $C_{25}H_{32}F_3N_3O_4$

Formula Wt. 495.53

Melting Point

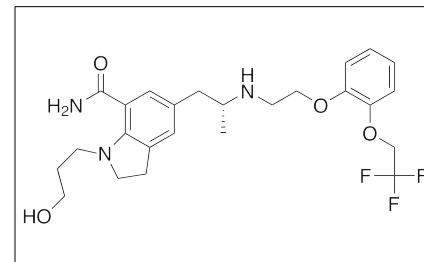
Purity  $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

**Description** Silodosin is a selective  $\alpha 1A$ -adrenergic receptor antagonist clinically used to treat benign prostatic hyperplasia/low urinary tract syndrome (BPH/LUTS). Silodosin improves bladder function and blood flow in ischemic conditions in animal models. Additionally, silodosin alters transcriptional regulation through its effect on  $\alpha$ -adrenergic receptors, preventing NE-induced inhibition of Elk1 and SRF in the prostate.



**Bulk quantities available upon request**

| Product ID | Size |
|------------|------|
|------------|------|

|       |       |
|-------|-------|
| S3346 | 25 mg |
|-------|-------|

|       |        |
|-------|--------|
| S3346 | 100 mg |
|-------|--------|

|       |        |
|-------|--------|
| S3346 | 500 mg |
|-------|--------|

**References** Yamaguchi K, Aoki Y, Yoshikawa T, et al. Silodosin versus naftopidil for the treatment of benign prostatic hyperplasia: A multicenter randomized trial. *Int J Urol*. 2013 Jun 3. [Epub ahead of print]. PMID: 23731168.

Goi Y, Tomiyama Y, Nomiya M, et al. Effects of silodosin, a selective  $\alpha 1A$ -adrenoceptor antagonist, on bladder blood flow and bladder function in a rat model of atherosclerosis induced chronic bladder ischemia without bladder outlet obstruction. *J Urol*. 2013 Sep;190(3):1116-22. PMID: 23545103

Hennenberg M, Strittmatter F, Beckmann C, et al. Silodosin inhibits noradrenaline-activated transcription factors Elk1 and SRF in human prostate smooth muscle. *PLoS One*. 2012;7(11):e50904. PMID: 23226423.

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