



LKT Laboratories, Inc.

S-(-)-Sulpiride

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID S8345

CAS No. 23672-07-3

Chemical Name

Synonym

Formula $C_{15}H_{23}N_3O_4S$

Formula Wt. 341.43

Melting Point 178-180°C

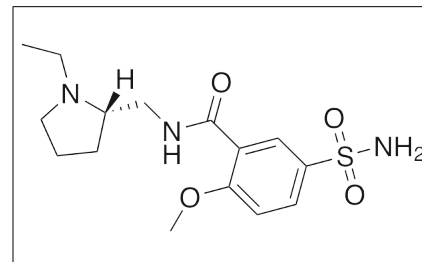
Purity $\geq 99\%$

Solubility Soluble in DMF, DMSO (69 mg/ml at 25°C), water (<1 mg/ml at 25°C), and ethanol (10 mM).
45% (w/v) aq 2-hydroxypropyl- β -cyclodextrin: 8.0 mg/mL
0.1 M HCl: soluble

Store Temp Ambient

Ship Temp Ambient

Description Sulpiride is an antipsychotic that functions as an antagonist at D2/3 receptors and also upregulates and activates the GHB receptor. In vivo, sulpiride ameliorates increased impulsivity and attentional impairment in PFC-lesioned models of schizophrenia. Additionally, because dopamine inhibits prolactin release, sulpiride's inhibition of dopamine results in increased concentrations of prolactin as well as melanocyte-stimulating hormone.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
S8345	1 g	\$47.00
S8345	5 g	\$92.00
S8345	10 g	\$171.50
S8345	25 g	\$302.00

References Valencia NA, Thompson DL Jr, Mitcham PB. Changes in plasma melanocyte-stimulating hormone, ACTH, prolactin, GH, LH, FSH, and thyroid-stimulating hormone in response to injection of sulpiride, thyrotropin-releasing hormone, or vehicle in insulin-sensitive and -insensitive mares. *Domest Anim Endocrinol*. 2013 May;44(4):204-12. PMID: 23571008.

Pezze MA, Dalley JW, Robbins TW. Remediation of attentional dysfunction in rats with lesions of the medial prefrontal cortex by intra-accumbens administration of the dopamine D(2/3) receptor antagonist sulpiride. *Psychopharmacology (Berl)*. 2009 Jan;202(1-3):307-13. PMID: 18985321.

Ratomponirina C, Gobaille S, Hodé Y, et al. Sulpiride, but not haloperidol, up-regulates gamma-hydroxybutyrate receptors in vivo and in cultured cells. *Eur J Pharmacol*. 1998 Apr 10;346(2-3):331-7. PMID: 9862377.

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