



LKT Laboratories, Inc.

R,S-(±)-Sulpiride

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## Product Information

Product ID S8344

CAS No. 15676-16-1

Chemical Name

Synonym

Formula C<sub>15</sub>H<sub>23</sub>N<sub>3</sub>O<sub>4</sub>S

Formula Wt. 341.42

Melting Point 178-180° C

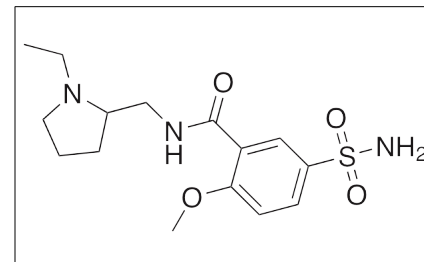
Purity ≥98%

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: 9.0 mg/ml

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.



**Bulk quantities available upon request**

Product ID	Size
S8344	5 g
S8344	25 g
S8344	100 g

**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.