



LKT Laboratories, Inc.

(+)-Ketanserin Tartrate

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Product Information

Product ID K1679

CAS No. 83846-83-7

Chemical Name

Synonym

Formula $C_{22}H_{22}FN_3O_3 \cdot C_4H_6O_6$

Formula Wt. 545.52

Melting Point

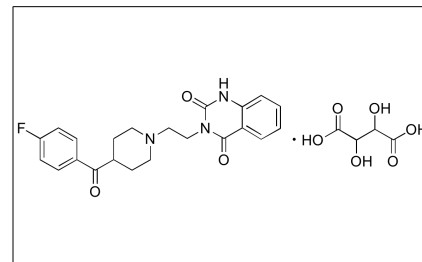
Purity $\geq 98\%$

Solubility DMSO 7 mg/mL (19.86 mM)
Water Insoluble
Ethanol Insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Ketanserin is an inhibitor of 5-HT_{2A} receptors that exhibits antihypertensive, vasodilatory, analgesic, and pro-angiogenic activities. In animal models of hypertension, ketanserin decreases blood pressure and improves baroreceptor sensitivity and vagal tonic activity, improving left ventricular remodeling and overall cardiac function. In animal models of myocardial infarction, ketanserin increases expression of VEGF and increases capillary density in myocardial tissue. In other animal models, this compound inhibits transient receptor potential vanilloid 1 (TRPV1) channel-evoked thermal hyperalgesia. Through downstream targets, ketanserin may also inhibit $\alpha 1$ -adrenergic receptors.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
K1679	10 mg	\$34.80
K1679	50 mg	\$86.80
K1679	250 mg	\$289.40
K1679	500 mg	\$561.50

References Yu JG, Zhang EH, Liu AJ, et al. Ketanserin improves cardiac performance after myocardial infarction in spontaneously hypertensive rats partially through restoration of baroreflex function. *Acta Pharmacol Sin.* 2013 Dec;34(12):1508-14. PMID: 24241347.

Lloyd DR, Chen PB, Hargreaves KM. Anti-hyperalgesic effects of anti-serotonergic compounds on serotonin- and capsaicin-evoked thermal hyperalgesia in the rat. *Neuroscience.* 2012 Feb 17;203:207-15. PMID: 22209919.

van Zwieten PA, Blauw GJ, van Brummelen P. Serotonergic receptors and drugs in hypertension. *Pharmacol Toxicol.* 1992 Jun;70(6 Pt 2):S17-22. PMID: 1354865.

Koss MC. Mechanism of ketanserin-induced sympatho-inhibition. *Eur J Pharmacol.* 1991 Mar 5;194(2-3):161-6. PMID: 1676374.

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