LKT Laboratories, Inc.

(+)-Ketanserin Tartrate

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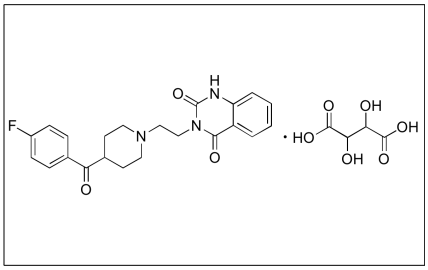
Product Information

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 ≥98%
Solubility

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

Store Temp -20˚C
Ship Temp Ambient



Bulk quanitites available upon request

Product ID	Size
K1679	10 mg
K1679	50 mg
K1679	250 mg
K1679	500 mg

Description Ketanserin is an inhibitor of 5-HT2A 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 α1-adrenergic receptors.

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.

Loyd 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.

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