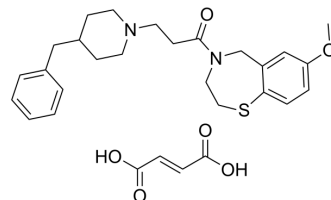


JTV-519 fumarate

Cat. No.:	HY-110312
CAS No.:	1883549-36-7
Molecular Formula:	C ₂₉ H ₃₆ N ₂ O ₆ S
Molecular Weight:	540.67
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JTV-519 fumarate (K201 fumarate) is a Ca ²⁺ -dependent blocker of sarcoplasmic reticulum Ca ²⁺ -stimulated ATPase (SERCA) and a partial agonist of ryanodine receptors in striated muscle. JTV-519 fumarate is a cardioprotective agent with antiarrhythmic effects ^{[1][2]} .
IC ₅₀ & Target	SERCA ^[1]

REFERENCES

[1]. Darcy YL, et al. K201 (JTV519) is a Ca²⁺-Dependent Blocker of SERCA and a Partial Agonist of Ryanodine Receptors in Striated Muscle. *Mol Pharmacol*. 2016 Aug;90(2):106-15.

[2]. Kaneko N, Matsuda R, Toda M, Shimamoto K. Inhibition of annexin V-dependent Ca²⁺ movement in large unilamellar vesicles by K201, a new 1,4-benzothiazepine derivative. *Biochim Biophys Acta*. 1997 Nov 13;1330(1):1-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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