
Product Data Sheet

Product Name: JTV-519 free base

Cat. No.: GC36371

Chemical Properties

Cas. No. 145903-06-6

SMILES COC1=CC=C2C(CN(C(CCN3CCC(CC4=CC=CC=C4)CC3)=O)CCS2)=C1Formula C₂₅H₃₂N₂O₂S M.Wt 424.6

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

JTV-519 free base (K201 free base) is a Ca²⁺-dependent blocker of sarcoplasmic reticulum Ca²⁺-stimulated ATPase (SERCA) and a partial agonist of ryanodine receptors in striated muscle. Cardioprotective agent[1].

[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.

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

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