
Product Data Sheet

Product Name: JNc-440
Cat. No.: GC65006

Chemical Properties

Cas. No. 1119503-63-7

Formula C₂₆H₂₄N₄O₃ M.Wt 440.49

Solubility DMSO : 50 mg/mL (113.51 mM; Need ultrasonic) 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

JNc-440 is a potent antihypertensive agent. JNc-440 can enhance the interaction of TRPV4 and Ca²⁺-activated potassium channel 3 (KCa2.3) in endothelial cells. JNc-440 can also enhance vasodilation, and exerted antihypertensive effects in mice[1].

JNc-440 (1 mg/kg; IV; single dosage) improves endothelium-dependent relaxation in small resistance arteries and to lower blood pressure[1].

[1]. He D, et al. Treatment of hypertension by increasing impaired endothelial TRPV4-KCa2.3 interaction. EMBO Mol Med. 2017 Nov;9(11):1491-1503.

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

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