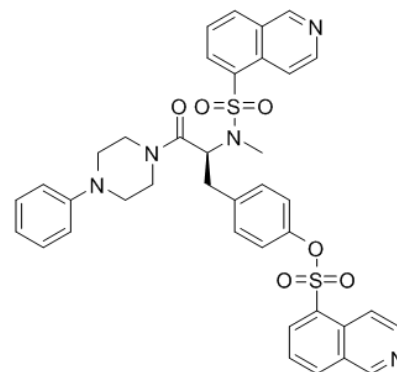


Product Name : KN-62
Cat. No. : PC-43468
CAS No. : 127191-97-3
Molecular Formula : C₃₈H₃₅N₅O₆S₂
Molecular Weight :
Target : CaMK
Solubility : 10 mM in DMSO



Biological Activity

KN-62 is a specific inhibitor of Ca²⁺/calmodulin-dependent protein kinase II (CaMK II) with K_i of 900 nM for rat brain CaMK II.

KN-62 potently antagonizes ATP-stimulated Ba²⁺ influx into fura-2 loaded human lymphocytes with IC₅₀ of 12.7 nM, inhibits ATP-stimulated ethidium⁺ uptake with IC₅₀ of 13.1 nM.

KN-62 causes hypertension and tachycardia in rats, associated with the diminished rate of GABA release in cerebrospinal fluid.

References

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Ito I, et al. *Neurosci Lett.* 1991 Jan 2;121(1-2):119-21.

Gargett CE, et al. *Br J Pharmacol.* 1997 Apr;120(8):1483-90.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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