



LKT Laboratories, Inc.

KT5720

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Product Information

Product ID K7600

CAS No. 108068-98-0

Chemical Name

Synonym

Formula $C_{32}H_{31}N_3O_5$

Formula Wt. 537.23

Melting Point

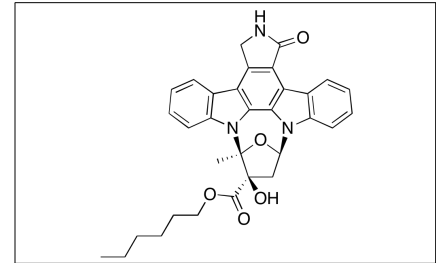
Purity $\geq 98\%$

Solubility Soluble in methanol, DMSO

Store Temp 4° C

Ship Temp Ambient

Description KT 5720 is an inhibitor of PKA. KT5720 attenuates hyperpolarization-activated cyclic nucleotide-gated (HCN) channel currents, decreasing amplitude and increasing action potential threshold. This inhibition results in decreases in intracellular Ca^{2+} levels and suppression of dorsal root ganglion (DRG) neuron excitability. This compound also inhibits PDK1 and may inhibit GSK-3, MEK, MSK1, and PKB.



Bulk quantities available upon request

Product ID	Size
K7600	100 μ g
K7600	1 mg

References Iwase K, Ishihara A, Yoshimura S, et al. The secretogranin II gene is a signal integrator of glutamate and dopamine inputs. *J Neurochem.* 2014 Jan;128(2):233-45. PMID: 24111984.

Hoffman MS, Mitchell GS. Spinal 5-HT7 receptors and protein kinase A constrain intermittent hypoxia-induced phrenic long-term facilitation. *Neuroscience.* 2013 Oct 10;250:632-43. PMID: 23850591.

Cheng Q, Zhou Y. Novel role of KT5720 on regulating hyperpolarization-activated cyclic nucleotide-gated channel activity and dorsal root ganglion neuron excitability. *DNA Cell Biol.* 2013 Jun;32(6):320-8. PMID: 23713946.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.