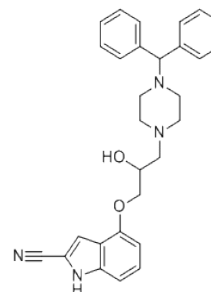


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : DPI 201-106
Cat.No. : URK-V2218
CAS No. : 97730-95-5
Molecular Formula : $C_{29}H_{30}N_4O_2$
Molecular Weight : 466.58
Target :
Solubility :



Biological Activity

DPI 201-106 (SDZ 201106) is a positive inotropic agent that prolongs the open state of cardiac voltage-gated Na^+ channels.

DPI 201-106 produced concentration-dependent positive inotropic effects in guinea-pig and rat left atria, kitten, rabbit and guinea-pig papillary muscles and Langendorff perfused hearts of rabbits between 0.1-3 μM .

DPI 201-106 increased the Ca^{2+} -sensitivity of skinned fibres from porcine trabecula septomarginalis with EC_{50} of 0.2 nM.

DPI (1-100 μM) suppressed the amplitude of delayed-rectifier K^+ current ($I(K(DR))$) in a concentration-dependent manner with IC_{50} of 6.4 μM .

DPI-201106 also selectively reverses ABCB1-mediated multidrug resistance in cancer cell lines.

References

1. Scholtysik G, et al. Naunyn Schmiedebergs Arch Pharmacol. 1985 May;329(3):316-25.
2. Buggisch D, et al. Eur J Pharmacol. 1985 Dec 3;118(3):303-11.
3. Scholtysik G, et al. Eur J Pharmacol. 1986 Jun 5;125(1):111-8.
4. Hsiao SH, et al. Cancer Lett. 2018 Oct 10;434:81-90.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

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

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