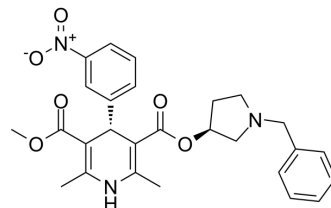


## Barnidipine

<b>Cat. No.:</b>	HY-107322A
<b>CAS No.:</b>	104713-75-9
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>29</sub> N <sub>3</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	491.54
<b>Target:</b>	Calcium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Barnidipine (Mepirodipine) is an L-type calcium antagonist (CaA) with high affinity for [ <sup>3</sup> H] initrendipine binding sites (K <sub>i</sub> = 0.21 nmol/l), has selective action against CaA receptors <sup>[1]</sup> . Barnidipine (Mepirodipine) is an antihypertensive agent and acts by the reduction of peripheral vascular resistance secondary to its vasodilatory action <sup>[2]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	L-type calcium channel

### REFERENCES

- [1]. van Zwieten PA, et al. Pharmacological profile of barnidipine: a single optical isomer dihydropyridine calcium antagonist. *Blood Press Suppl.* 1998;1:5-8
- [2]. Malhotra HS, et al. Barnidipine. *Drugs.* 2001;61(7):989-96; discussion 997-8.

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

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