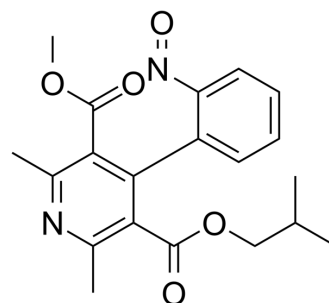


## Dehydronitrosonisoldipine

Cat. No.:	HY-Z0816
CAS No.:	87375-91-5
Molecular Formula:	C <sub>20</sub> H <sub>22</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	370.4
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (269.98 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.6998 mL	13.4989 mL	26.9978 mL
				5 mM	0.5400 mL	2.6998 mL	5.3996 mL
				10 mM	0.2700 mL	1.3499 mL	2.6998 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 3 mg/mL (8.10 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3 mg/mL (8.10 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3 mg/mL (8.10 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Dehydronitrosonisoldipine is a calcium channel antagonist.
IC <sub>50</sub> & Target	Calcium channel <sup>[1]</sup> .

### CUSTOMER VALIDATION

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- Eur J Immunol. 2021 Jan 17.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Baranda AB, et al. Instability of calcium channel antagonists during sample preparation for LC-MS-MS analysis of serum samples. Forensic Sci Int. 2006 Jan 6;156(1):23-34.

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

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