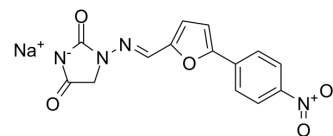


## Dantrolene sodium

Cat. No.:	HY-14657
CAS No.:	14663-23-1
Molecular Formula:	C <sub>14</sub> H <sub>9</sub> N <sub>4</sub> NaO <sub>5</sub>
Molecular Weight:	336.23
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 4.17 mg/mL (12.40 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.9742 mL	14.8708 mL	29.7415 mL
	5 mM		0.5948 mL	2.9742 mL	5.9483 mL
	10 mM		0.2974 mL	1.4871 mL	2.9742 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Dantrolene sodium is a inhibitor of calcium channel proteins, inhibiting the release of Ca<sup>2+</sup> from the sarcoplasm. Dantrolene sodium is a skeletal muscle relaxant which acts by blocking muscle contraction beyond the neuromuscular junction.

### CUSTOMER VALIDATION

- Cell Res. 2022 Mar;32(3):288-301.
- Front Immunol. 2021 Jul 7;12:688674.
- J Anim Sci Biotechnol. 2022 Feb 11;13(1):9.
- Anim Nutr. 28 September 2021.
- J Cell Commun Signal. 2023 Sep 13.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA