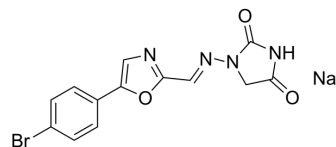


## Azumolene sodium

Cat. No.:	HY-113920
CAS No.:	105336-14-9
Molecular Formula:	C <sub>13</sub> H <sub>9</sub> BrN <sub>4</sub> NaO <sub>3</sub>
Molecular Weight:	372.13
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Azumolene sodium (EU4093) is an analog of Dantrolene (HY-12542) that inhibits malignant hyperthermia (MH) syndrome and intracellular Ca<sup>2+</sup> homeostasis failure caused by Halothane (HY-B1010)/Succinylcholine. Azumolene sodium (0.5-2.0 mg/kg) reduces [Ca<sup>2+</sup>]<sub>i</sub> (from 207 nM to 38 nM) in MH-susceptible skeletal muscle following intramuscular injection<sup>[1]</sup>.

### REFERENCES

[1]. Allen P D, Lopez J R, Sanchez V, et al. EU 4093 decreases intracellular [Ca<sup>2+</sup>] in skeletal muscle fibers from control and malignant hyperthermia-susceptible swine[J]. Anesthesiology, 1992, 76(1): 132-138.

**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

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