

## Benzocaine xHCl(94-09-7(free base))

## Chemical Properties

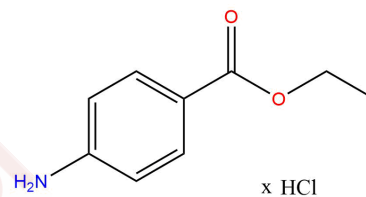
CAS No. :

Formula: C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub>.xHCl

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Benzocaine shares a common receptor with all other rLAs in the voltage-gated Na <sup>+</sup> channel (IC <sub>50</sub> of 0.8 mM tested with a potential of +30 mV).
Targets(IC <sub>50</sub> )	Sodium Channel

## Solubility Information

Solubility	DMSO: 60 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---------------------------------------------------------------------------------------------------------------

## Reference

Davis JA, et al. Benzocaine-induced methemoglobinemia attributed to topical application of the anesthetic in several laboratory animal species. Am J Vet Res. 1993 Aug;54(8):1322-6.

Di Croce D et al. Drug action of benzocaine on the sarcoplasmic reticulum Ca-ATPase from fast-twitch skeletal muscle. Naunyn Schmiedeberg Arch Pharmacol. 2015 Nov;388(11):1163-70.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481