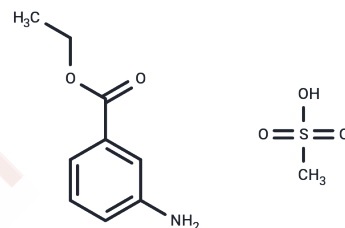


## Tricaine methanesulfonate

## Chemical Properties

CAS No. :	886-86-2
Formula:	C10H15NO5S
Molecular Weight:	261.30
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	Tricaine methanesulfonate (MS-222) (TMS) is an anesthetic. Many hatcheries and research studies use TMS to immobilize fish for marking or transport and to suppress sensory systems during invasive procedures.
Targets(IC50)	Others,Calcium Channel
In vitro	Tricaine methanesulfonate in powder form easily can become airborne and may be hazardous to the handler. Tricaine methanesulfonate (TMS) solution is photosensitive (its color changes with light exposure). However, the color change should not be used to gauge degradation due to the color does not necessarily indicate significant activity decrease.

## Solubility Information

Solubility	DMSO: 255 mg/mL (975.89 mM) H2O: 249 mg/mL (952.93 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.827 mL	19.1351 mL	38.2702 mL
5 mM	0.7654 mL	3.827 mL	7.654 mL
10 mM	0.3827 mL	1.9135 mL	3.827 mL
50 mM	0.0765 mL	0.3827 mL	0.7654 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**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