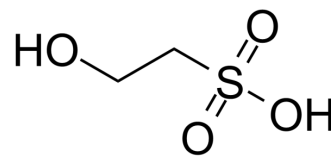


## Isethionic acid

Cat. No.:	HY-Y0095
CAS No.:	107-36-8
Molecular Formula:	C <sub>2</sub> H <sub>6</sub> O <sub>4</sub> S
Molecular Weight:	126.13
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (792.83 mM; Need ultrasonic)
In Vivo	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (19.82 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (19.82 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (19.82 mM); Clear solution</li> </ol>

### BIOLOGICAL ACTIVITY

Description	Isethionic acid (2-Hydroxyethanesulfonic acid) is an organosulfur compound. Isethionic acid is widely distributed in animal species and in a few red algal species. Isethionic acid can be used as an anionic detergent and has anti-settlement activity against <i>Balanus amphitrite</i> <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### REFERENCES

- [1]. Hellio C, et al. Isethionic acid and floridoside isolated from the red alga, *Grateloupia turuturu*, inhibit settlement of *Balanus amphitrite* cyprid larvae. *Biofouling*. 2004 Jun;20(3):139-45.
- [2]. Tupker RA, et al. Irritancy ranking of anionic detergents using one-time occlusive, repeated occlusive and repeated open tests. *Contact Dermatitis*. 1999 Jun;40(6):316-22.

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

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