
Product Data Sheet

Product Name: Isethionic acid

Cat. No.: GC60941

Chemical Properties

Cas. No. 107-36-8

SMILES O=S(CCO)(O)=OFormula C2H6O4S

M.Wt 126.13

Solubility DMSO : 100 mg/mL (792.83 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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 *Balanus amphitrite*[1][2].

[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.

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

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