

Product Data Sheet

Product Name: AN-7
Cat. No.: GC42805

Chemical Properties

Cas. No. 691410-93-2

SMILES O=C(CCCCC1SSCC1)NCCCNC(=O)CCCCC1SSCC1

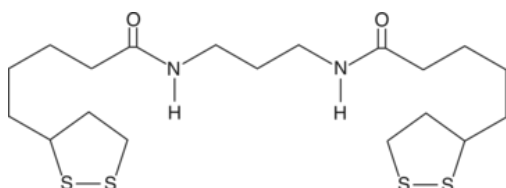
Formula C19H34N2O2S4 M.Wt 450.7

Solubility DMF: 10 mg/ml, DMSO: 20 mg/ml, DMSO:PBS (pH 7.2)(1:4): .15 mg/ml, Ethanol: 2 mg/ml
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

α -Lipoic acid is a cyclic disulfide antioxidant that interconverts with its reduced dithiol form. It is an essential cofactor for decarboxylation reactions of the citric acid cycle and acts as a general antioxidant. AN-7 is a more lipophilic analog of α -lipoic acid with enhanced potency and 1.5-fold increased maximal capacity to stimulate glucose transport into myocytes. This identifies the analogs of lipoic acid as potential new treatments for diabetes.

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

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