
Product Data Sheet

Product Name: 2-(E-2-decenoylamino)ethyl 2-(cyclohexylethyl) sulfide
Cat. No.: GC30561

Chemical Properties

Cas. No. 137089-36-2

SMILES CCCCCCC/C=C/C(NCCSCCC1CCCCC1)=O

Formula C₂₀H₃₇NOS M.Wt 339.58

Solubility Soluble in DMSO 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

2-(E-2-decenoylamino)ethyl 2-(cyclohexylethyl) sulfide is a compound that inhibits stress-induced ulcer and low toxicity, and can maintain the content of phospholipase A2 and prostaglandin E2 in ulcerated rats induced by water immersed restrained stress.

2-(E-2-decenoylamino)ethyl 2-(cyclohexylethyl) sulfide (compd.III-1 α , 100 mg/kg, p.o.) maintains the relative content of Fr.I hexose, lipid peroxide and phospholipase A2 (PLA2) in normal level in ulcerated rats induced by water immersed restrained stress via dosing twice a day for 3 day (b.i.d. for 3 d). 2-(E-2-decenoylamino)ethyl 2-(cyclohexylethyl) sulfide (100 mg/kg, p.o.) reduces the hexosamine content equally with the control group 4 h after the stress loading, and then markedly increases 7 h after stress loading. 2-(E-2-decenoylamino)ethyl 2-(cyclohexylethyl) sulfide (25 mg/kg, p.o.) blocks the reduction of prostaglandin E2 (PGE2) and PGI2 in early phase and accelerates the increase of PGE2 and PGI2 in the late phase of the stress. 2-(E-2-decenoylamino)ethyl 2-(cyclohexylethyl) sulfide (25 mg/kg, p.o.) also significantly accelerates the cell proliferation in fundic glands in gastric mucosa of mice[1].

[1]. Kohda I, et al. Further studies on the anti-ulcerogenic effects of compound, 2-(E-2-

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

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decenoylamino)ethyl 2-(cyclohexylethyl) sulfide. Chem Pharm Bull (Tokyo). 1991 Jul;39(7):1832-6.

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