

# 2- (E-2-decenoylamino) ethyl 2- (cyclohexylethyl) sulfide

Catalog No: tcsc0018439



## Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



## Specifications

### CAS No:

137089-36-2

### Formula:

$C_{20}H_{37}NOS$

### Pathway:

GPCR/G Protein;Metabolic Enzyme/Protease

### Target:

Prostaglandin Receptor;Phospholipase

### Purity / Grade:

>98%

### Solubility:

10 mM in DMSO

### Observed Molecular Weight:

339.58

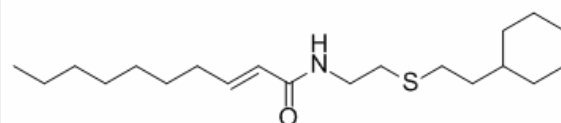
## Product Description

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.

IC50 & Target: Prostaglandin Receptor, Phospholipase<sup>[1]</sup>

***In Vivo:*** 2-(E-2-decenoylamino)ethyl 2-(cyclohexylethyl) sulfide (compd.III-1 $\alpha$ , 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].



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