

Product Data Sheet

Product Name: LOC1886

Cat. No.: GC90714

Chemical Properties

Cas. No. 951948-38-2

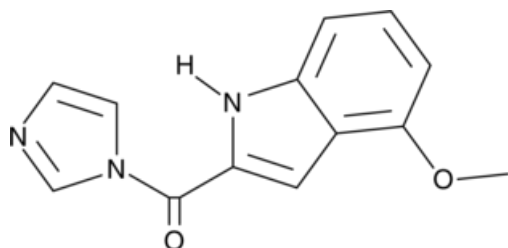
Formula $C_{13}H_{11}N_3O_2$ M.Wt 241.2

Solubility DMF: 10 mg/ml, DMSO: 20 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

LOC1886 is an inhibitor of glutathione peroxidase 4 (GPX4; $K_i = 102 \mu M$).¹ It covalently binds to GPX4^{U46C} and inhibits GPX4-mediated reduction of phospholipid droperoxides in HT-1080 cell lysates when used at a concentration of 100 μM . LOC1886 (100 μM) increases lipid peroxidation in HT-1080 cells, an effect that can be rescued by the ferroptosis inhibitor ferrostatin-1.

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

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