

## Product Data Sheet

Product Name: LOC1886

Cat. No.: GC90714

### Chemical Properties

Cas. No. 951948-38-2

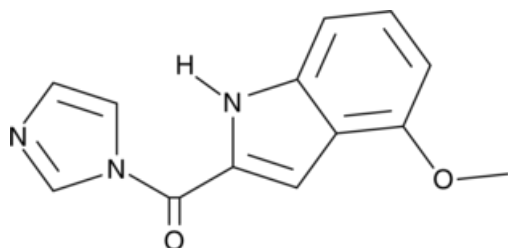
Formula  $C_{13}H_{11}N_3O_2$  M.Wt 241.2

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;  $K_i = 102 \mu\text{M}$ ).<sup>1</sup> It covalently binds to GPX4<sup>U46C</sup> and inhibits GPX4-mediated reduction of phospholipid droperoxides in HT-1080 cell lysates when used at a concentration of 100  $\mu\text{M}$ . LOC1886 (100  $\mu\text{M}$ ) 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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