



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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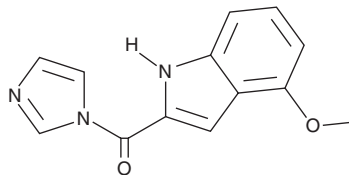
# PRODUCT INFORMATION



**LOC1886**

Item No. 38026

**CAS Registry No.:** 951948-38-2  
**Formal Name:** 1H-imidazol-1-yl(4-methoxy-1H-indol-2-yl)-methanone  
**MF:** C<sub>13</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub>  
**FW:** 241.2  
**Purity:** ≥95%  
**UV/Vis.:** λ<sub>max</sub>: 249, 320 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Laboratory Procedures

LOC1886 is supplied as a crystalline solid. A stock solution may be made by dissolving the LOC1886 in the solvent of choice, which should be purged with an inert gas. LOC1886 is soluble in organic solvents such as DMSO and dimethyl formamide (DMF). The solubility of LOC1886 in these solvents is approximately 20 and 10 mg/ml, respectively.

## Description

LOC1886 is an inhibitor of glutathione peroxidase 4 (GPX4; K<sub>i</sub> = 102 μM).<sup>1</sup> It covalently binds to GPX4<sup>U46C</sup> and inhibits GPX4-mediated reduction of phospholipid hydroperoxides 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 (Item No. 17729).

## Reference

1. Liu, H., Forouhar, F., Lin, A.J., *et al.* Small-molecule allosteric inhibitors of GPX4. *Cell Chem. Biol.* **29(12)**, 1680-1693 (2022).

### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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