

## Product Data Sheet

Product Name: viFSP1  
Cat. No.: GC91691

### Chemical Properties

Cas. No. 951945-67-8

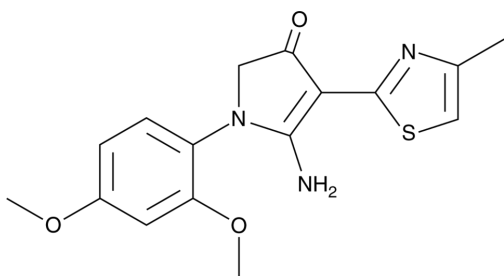
Formula  $C_{16}H_{17}N_3O_3S$  M.Wt 331.4

Solubility Acetonitrile: Soluble, Chloroform: Soluble Storage  $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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

viFSP1 is a species-independent inhibitor of ferroptosis suppressor protein 1 (FSP1;  $IC_{50}$ s = 34 and 83 nM for the human and mouse enzymes, respectively).<sup>1</sup> It induces ferroptosis in glutathione peroxidase 4 (Gpx4) knockout Pfa1 mouse embryonic fibroblasts expressing human or mouse FSP1, an effect that can be reversed by the ferroptosis inhibitor liproxstatin-1.

### References:

[1]. Nakamura, T., Mishima, E., Yamada, N., et al. Integrated chemical and genetic screens unveil

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

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FSP1 mechanisms of ferroptosis regulation Nat. Struct. Mol. Biol. 30(11)1806-1815(2023).

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