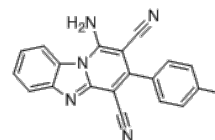


**Product Name** : iFSP1  
**Cat. No.** : PC-38437  
**CAS No.** : 150651-39-1  
**Molecular Formula** : C<sub>20</sub>H<sub>13</sub>N<sub>5</sub>  
**Molecular Weight** : 323.35  
**Target** : Ferroptosis  
**Solubility** : 10 mM in DMSO



### Biological Activity

iFSP1 (FSP1 inhibitor) is a potent, selective and glutathione-independent inhibitor of **ferroptosis suppressor protein 1 (FSP1, AIFM2)** with IC<sub>50</sub> of 103 nM.

iFSP1 selectively induces ferroptosis in GPX4-knockout cells which overexpressed FSP1.

iFSP1 is able to sensitize a variety of human cancer cell lines to the ferroptosis inducer.

iFSP1 inhibits the Gpx4-knockout cell growth as a dose-dependent manner, but does not inhibit the wild type cell growth.

iFSP1 sensitizes KEAP1 deficient lung cancer cells to radiation by inducing ferroptosis.

### References

Doll S, et al. FSP1 is a glutathione-independent ferroptosis suppressor. **Nature**. 2019 Nov;575(7784):693-698.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com