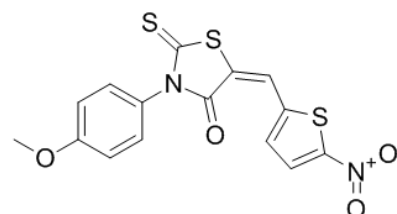


**Product Name** : CCF-642  
**Cat. No.** : PC-42153  
**CAS No.** : 346640-08-2  
**Molecular Formula** : C<sub>15</sub>H<sub>10</sub>N<sub>2</sub>O<sub>4</sub>S<sub>3</sub>  
**Molecular Weight** : 378.4459  
**Target** : Protein Disulfide Isomerase (PDI)  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

A novel covalent protein disulfide isomerase (PDI) inhibitor that shows antimyeloma activity; inhibits PDI reductase activity about 100-fold more potently than PACMA 31 and LOC14; shows cytotoxicity against MM cells with a submicromolar IC<sub>50</sub>, causes acute ER stress in multiple myeloma cells accompanied by apoptosis-inducing calcium release; displays potent efficacy and prolongs the lifespan in an aggressive syngeneic mouse model of multiple myeloma.

## References

Vatolin S, et al. Cancer Res. 2016 Jun 1;76(11):3340-50.

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

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