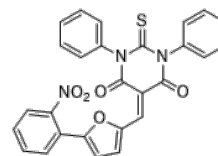


**Product Name** : UCF-101  
**Cat. No.** : PC-22416  
**CAS No.** : 313649-08-0  
**Molecular Formula** : C<sub>27</sub>H<sub>17</sub>N<sub>3</sub>O<sub>5</sub>S  
**Molecular Weight** : 495.51  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

UCF-101 is a specific inhibitor for the pro-apoptotic protease Omi/HtrA2 with IC<sub>50</sub> of 9.5 μM, displays high selectivity over other serine proteases.

UCF-101 restores heart dysfunction following ischemia/reperfusion injury in vivo.

UCF-101 prevented loss of membrane integrity by inhibiting fodrin breakdown in cardiomyocytes.

UCF-101 rescues cardiomyocytes from ischemia/reperfusion injury by inhibiting XIAP degradation and Fas/Fas-ligand-induced apoptosis, thereby ameliorating ischemia/reperfusion-induced myocardial dysfunction.

## References

Bhuiyan MS, et al. Eur J Pharmacol. 2007 Feb 28;557(2-3):168-77.

Cilenti L, et al. J Biol Chem. 2003 Mar 28;278(13):11489-94

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

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