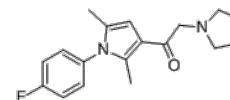


**Product Name** : IU-1  
**Cat. No.** : PC-61234  
**CAS No.** : 314245-33-5  
**Molecular Formula** : C<sub>18</sub>H<sub>21</sub>FN<sub>2</sub>O  
**Molecular Weight** : 300.377  
**Target** : Deubiquitinase (DUB)  
**Solubility** : 10 mM in DMSO



## Biological Activity

IU-1 (USP14 inhibitor IU1) is a specific, small molecule inhibitor of deubiquitinating enzyme **USP14** with IC<sub>50</sub> of 4-5 μM. IU-1 (USP14 inhibitor IU1) displays no activity against other human eight DUBs (Uch37, Uch-L1/L3, USP7, etc.). IU-1 (USP14 inhibitor IU1) enhances proteasomal degradation in vivo, attenuates cerebral ischemia/reperfusion-induced neuronal injury in mice; also inhibits Dengue virus replication.

## References

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Lahaie N, et al. *J Biol Chem*. 2016 Mar 25;291(13):7156-70.  
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**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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