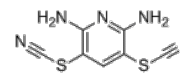


**Product Name** : PR-619  
**Cat. No.** : PC-20403  
**CAS No.** : 2645-32-1  
**Molecular Formula** : C<sub>7</sub>H<sub>5</sub>N<sub>5</sub>S<sub>2</sub>  
**Molecular Weight** : 223.27  
**Target** : Deubiquitinase (DUB)  
**Solubility** : 10 mM in DMSO



### Biological Activity

PR-619 (PR619) is a broad-spectrum, reversible **deubiquitinating enzymes** (DUBs) inhibitor with IC<sub>50</sub> of 3.93 μM-8.87 μM. PR-619 showed limited activity against other families of proteases, including representative examples of other families of cysteine proteases.

PR-619 increased caspase-8 ubiquitination and caspase-8 enzymatic activity and sensitized normal fibroblasts to TRAIL-mediated apoptosis.

PR-619 reduced Smad4 expression and suppresses renal fibrosis in mice with unilateral ureteral obstruction.

### References

Altun M, et al. *Chem Biol*. 2011 Nov 23;18(11):1401-12.

Crowder RN, et al. *J Biol Chem*. 2016 Mar 11;291(11):5960-5970.

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

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