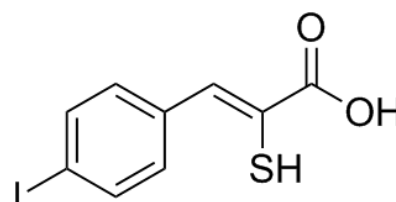


**Product Name** : PD-150606  
**Cat. No.** : PC-42190  
**CAS No.** : 179528-45-1  
**Molecular Formula** : C<sub>9</sub>H<sub>7</sub>IO<sub>2</sub>S  
**Molecular Weight** : 306.1201  
**Target** : Proteasome  
**Solubility** : DMSO: ≥ 28 mg/mL



### Biological Activity

A potent and selective calpain inhibitor with  $K_i$  of 0.21  $\mu$ M/0.37  $\mu$ M for u-calpain/m-calpain, respectively; shows no inhibition for other proteases (cathepin B, papain, trypsin and thermolysin ( $K_i > 500 \mu$ M)); attenuate shypoxic/hypoglycemic injury to cerebrocortical neurons in culture and excitotoxic injury to Purkinje cells in cerebellar slices.

### References

Wang KK, et al. Proc Natl Acad Sci U S A. 1996 Jun 25;93(13):6687-92.

Niapour M, et al. J Biol Chem. 2008 Aug 1;283(31):21371-81.

Waters SL, et al. J Pharmacol Exp Ther. 1997 Dec;283(3):1177-84.

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

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