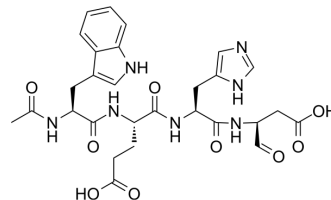


## Ac-Trp-Glu-His-Asp-Aldehyde

Cat. No.:	HY-P4535
CAS No.:	189275-71-6
Molecular Formula:	C <sub>28</sub> H <sub>33</sub> N <sub>7</sub> O <sub>9</sub>
Molecular Weight:	611.6
Sequence:	Ac-Trp-Glu-His-{Asp-Aldehyde}
Sequence Shortening:	Ac-WEH-{Asp-Aldehyde}
Target:	Caspase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Ac-Trp-Glu-His-Asp-Aldehyde is a potent and selective caspase-1 inhibitor with a K <sub>i</sub> value of 56 pM <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Caspase-1 56 pM (K <sub>i</sub> )

### REFERENCES

- [1]. Kindermann M, et al. Selective and sensitive monitoring of caspase-1 activity by a novel bioluminescent activity-based probe. *Chem Biol.* 2010 Sep 24;17(9):999-1007.
- [2]. Rano TA, et al. A combinatorial approach for determining protease specificities: application to interleukin-1beta converting enzyme (ICE). *Chem Biol.* 1997 Feb;4(2):149-55.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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