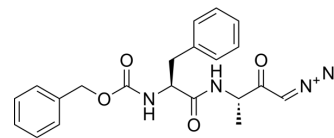


## Z-Phe-Ala-diazomethylketone

Cat. No.:	HY-P4295
CAS No.:	71732-53-1
Molecular Formula:	C <sub>21</sub> H <sub>22</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	394.42
Sequence:	Z-Phe-Ala-{Diazomethylketone}
Sequence Shortening:	Z-Phe-Ala-{Diazomethylketone}
Target:	Cathepsin; $\gamma$ -secretase
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (253.54 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	2.5354 mL	12.6768 mL
5 mM			0.5071 mL	2.5354 mL	5.0707 mL
10 mM			0.2535 mL	1.2677 mL	2.5354 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Z-Phe-Ala-diazomethylketone binds directly to A $\beta$ 42 monomers and small oligomers. Z-Phe-Ala-diazomethylketone inhibits the formation of A $\beta$ 42 dodecamers and inhibits A $\beta$ 42 fibril formation in the solution. Z-Phe-Ala-diazomethylketone has the potential for neurodegenerative disorders research<sup>[1]</sup>.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA