Hippuryl-L-phenylalanine

Cat. No.: HY-137840

CAS No.: 744-59-2

Molecular Formula: $C_{18}H_{18}N_2O_4$

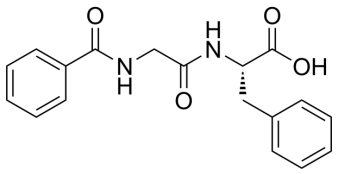
Molecular Weight: 326.35

Target: Carboxypeptidase

Pathway: Metabolic Enzyme/Protease

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (766.05 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.0642 mL	15.3210 mL	30.6419 mL
	5 mM	0.6128 mL	3.0642 mL	6.1284 mL
	10 mM	0.3064 mL	1.5321 mL	3.0642 mL

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

BIOLOGICAL ACTIVITY

Description

Hippuryl-L-phenylalanine is a substrate of carboxypeptidase. Carboxypeptidase is a protease enzyme that related with obesity, epilepsy and neurodegeneration. Hippuryl-L-phenylalanine can be used for the determination of carboxypeptidase activity[1][2].

REFERENCES

[1]. Serafin WE, et al. Carboxypeptidase A in mouse mast cells. Identification, characterization, and use as a differentiation marker. J Immunol. 1987 Dec 1;139(11):3771-6.

[2]. Sapio MR, Fricker LD. Carboxypeptidases in disease: insights from peptidomic studies. Proteomics Clin Appl. 2014 Jun;8(5-6):327-37.

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

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