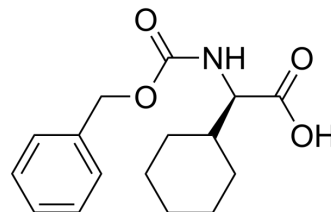


Z-D-Chg-OH

Cat. No.:	HY-77635		
CAS No.:	69901-85-5		
Molecular Formula:	C ₁₆ H ₂₁ NO ₄		
Molecular Weight:	291.34		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (343.24 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.4324 mL	17.1621 mL	34.3242 mL
	5 mM	0.6865 mL	3.4324 mL	6.8648 mL
	10 mM	0.3432 mL	1.7162 mL	3.4324 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (8.58 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.58 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.58 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Z-D-Chg-OH is a glycine derivative that can be used for amino acid synthesis^[1].

REFERENCES

[1]. Malkov A V, et al. Formamides derived from N-methyl amino acids serve as new chiral organocatalysts in the enantioselective reduction of aromatic ketimines with trichlorosilane. Tetrahedron, 2006, 62(2-3): 264-284.

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

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