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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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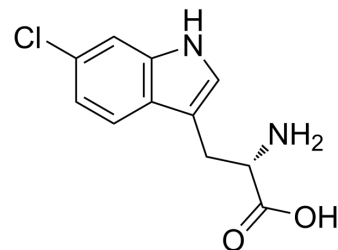
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6-Chloro-L-tryptophan

Cat. No.:	HY-W050025		
CAS No.:	33468-35-8		
Molecular Formula:	C ₁₁ H ₁₁ ClN ₂ O ₂		
Molecular Weight:	238.67		
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

H₂O : 50 mg/mL (209.49 mM; ultrasonic and warming and adjust pH to 12 with 1M NaOH and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.1899 mL	20.9494 mL	41.8989 mL
	5 mM	0.8380 mL	4.1899 mL	8.3798 mL
	10 mM	0.4190 mL	2.0949 mL	4.1899 mL

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

BIOLOGICAL ACTIVITY

Description

6-Chloro-L-tryptophan is a Tryptophan derivative. 6-Chloro-L-tryptophan can be used as a substrate for KtzQ^[1].

In Vitro

6-Chloro-L-tryptophan (0-500 μM) exhibits no inhibitory effect on D-amino acid oxidase (DAO)^[2].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Heemstra JR Jr, et al. Tandem action of the O₂- and FADH₂-dependent halogenases KtzQ and KtzR produce 6,7-dichlorotryptophan for kutzneride assembly. J Am Chem Soc. 2008 Oct 29;130(43):14024-5.

[2]. Iwasaki M, et al. A high-performance liquid chromatography assay with a triazole-bonded column for evaluation of d-amino acid oxidase activity. Biomed Chromatogr. 2016 Mar;30(3):384-9.

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

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