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**Product Data Sheet**

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Product Name: 6-Chloro-L-tryptophan

Cat. No.: GC65217

**Chemical Properties**

Cas. No. 33468-35-8

Formula C<sub>11</sub>H<sub>11</sub>ClN<sub>2</sub>O<sub>2</sub>

M.Wt 238.67

Solubility H<sub>2</sub>O : 50 mg/mL (209.49 mM; ultrasonic and warming and adjust pH to 12 with 1M NaOH and heat to 60°C)Store  
Storage at -  
20°CGeneral  
tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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

6-Chloro-L-tryptophan (0-500 μM) exhibits no inhibitory effect on D-amino acid oxidase (DAO)[2].

[1]. Heemstra JR Jr, et al. Tandem action of the O<sub>2</sub>- and FADH<sub>2</sub>-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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