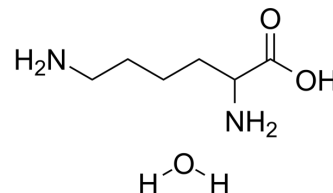


## DL-Lysine monohydrate

Cat. No.:	HY-B2236A
CAS No.:	885701-25-7
Molecular Formula:	C <sub>6</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	164.2
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	DL-Lysine monohydrate is a racemic mixture of the D-Lysine and L-Lysine. Lysine is an $\alpha$ -amino acid that is used in the biosynthesis of proteins <sup>[1]</sup> .
<b>In Vitro</b>	D-Lysine produces from L-Lysine by successive chemical racemization and microbial asymmetric degradation. L-Lysine is enantiomer of D-Lysine. D-Lysine exists in all living organisms, ranging from bacteria to humans. D-Lysine is a potentially toxic compound <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Stoyanka S Atanassova, et al. Influence of the lysine on the calcium oxalate renal calculi. Int Urol Nephrol. 2014 Mar;46(3):593-7.

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

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