

CELLiST™

Cell culture media
For better lives

CELLiST™ Glycyl-L-Tyrosine Dihydrate

Enhance Your Biologics Manufacturing with Superior Solubility and Cost-Efficiency

Shortcut to
Official Channel

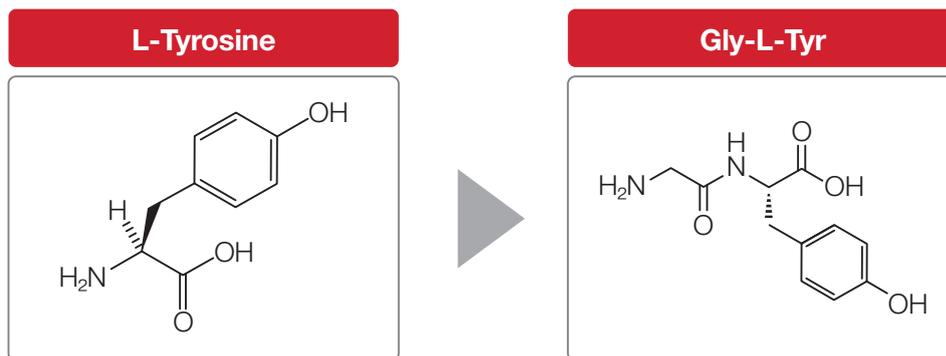


CELLiST™ Glycyl-L-Tyrosine Dihydrate

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Overview

CELLiST™ offers a comprehensive solution for all your biologics manufacturing requirements. CELLiST™ Glycyl-L-Tyrosine Dihydrate (Gly-L-Tyr) provides exceptional solubility, enhancing the overall available tyrosine source, which is a critical component for cell growth and productivity. Gly-L-Tyr solubility surpasses that of traditional L-Tyrosine. Incorporating CELLiST™ Gly-L-Tyr into the manufacturing processes removes the need for two separate feeding lines, resulting in a simple, robust and cost-effective workflow. This product was developed by Ajinomoto Group, leveraging years of experience in amino acids science and bioprocess design, as well as high-quality raw materials production capabilities.



Advantages

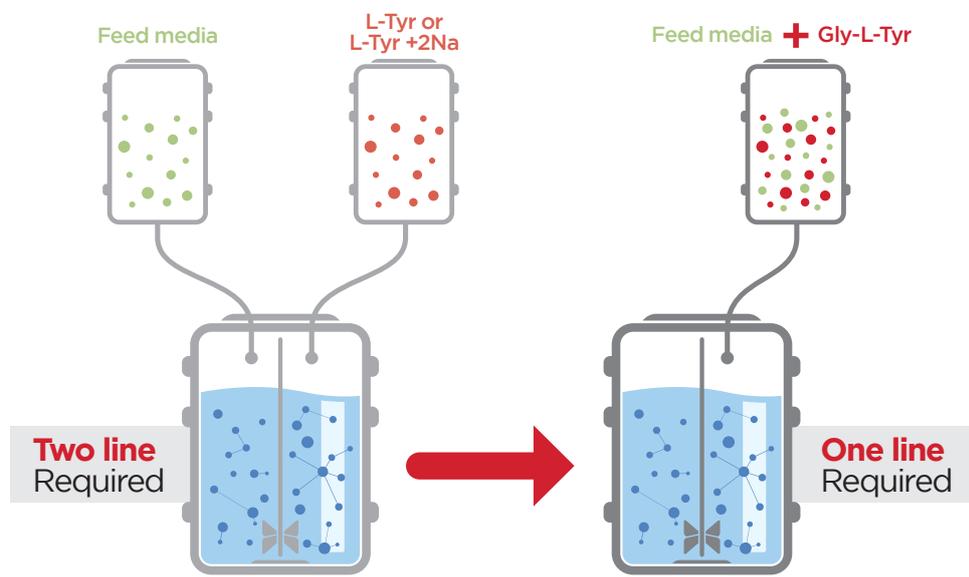
Gly-L-Tyr is an effective tyrosine source with high solubility

CELLiST™ Glycyl-L-Tyrosine Dihydrate is a highly-soluble and effective tyrosine source, which is an essential ingredient for biologics manufacturing. Unlike other tyrosine sources, such as L-Tyrosine disodium salt dihydrate (L-Tyr+2Na), which requires an alkaline pH and presents challenges during dissolution, Gly-L-Tyr provides optimal solubility without compromising pH conditions.

	L-Tyrosine	Gly-L-Tyr
Solubility at 25°C	0.479 g/L	36.9 g/L

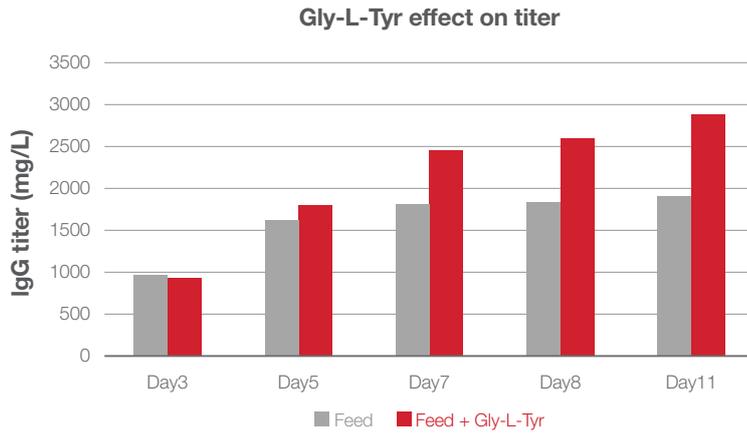
Streamlined Process and Cost-Cutting

Choosing CELLiST™ Gly-L-Tyr simplifies your manufacturing process. Unlike L-Tyrosine or L-Tyr+2Na, which requires an additional, separate feed source at higher pH due to reduced solubility, Gly-L-Tyr allows for a one-line feeding process, resulting in substantial decrease in running costs. Gly-L-Tyr can be easily supplemented to the main feed, dissolved at neutral pH and provides consistent tyrosine source to your cell culture, without introducing any pH fluctuations to the culture.



Optimized tyrosine source for improved productivity

The addition of Gly-L-Tyr to the process optimizes tyrosine source supply to the cell culture and results in significant improvement to the performance and productivity of the fed-batch process. The graph below shows the increase in productivity (titer) for a fed-batch CHO cell culture.



Animal Origin Free (AOF) Guarantee

CELLiST™ prioritizes the quality and safety of our products. Our Gly-L-Tyr is guaranteed to be Animal Origin Free (AOF). To ensure the highest standards, we employ a fermentation process for L-Tyrosine, avoiding the use of animal-origin materials found in extraction processes, such as those utilized by other manufacturers.

Shorter Lead-time and Stable Supply

We value our customers' time constraints and production needs. With a lead time of just 2 weeks for in-stock items, and 6 months for out-of-stock products, we are able to provide you with extremely rapid delivery and support.

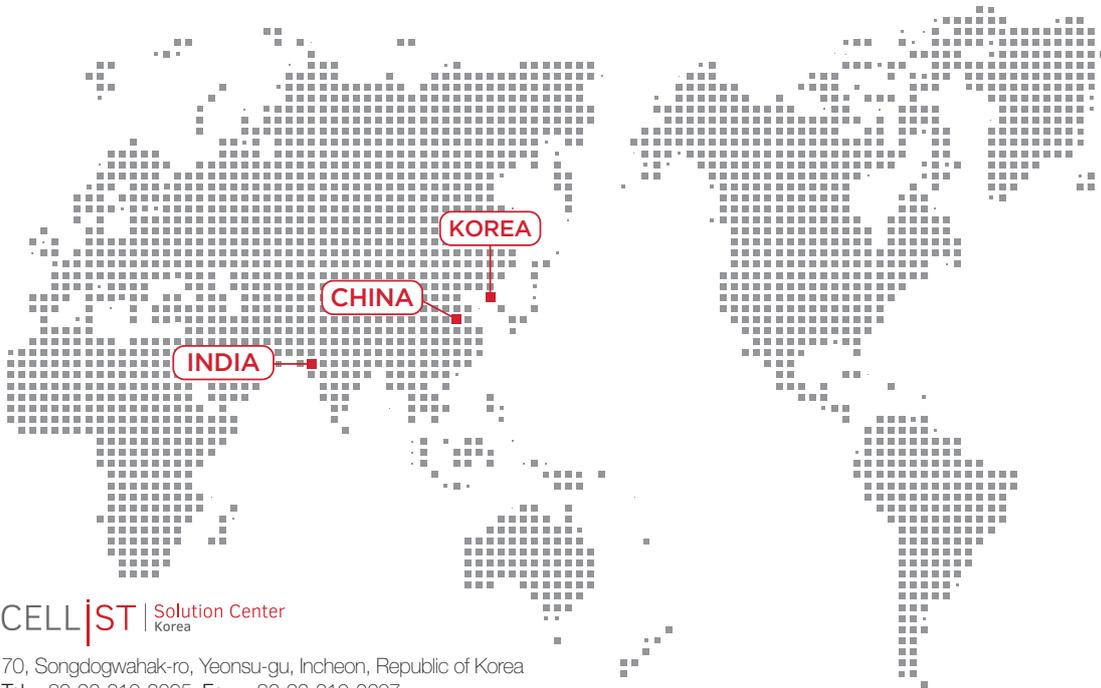
Specifications

Model No.	Glycyl-L-Tyrosine Dihydrate
Format	Powder
Storage Condition	Room Temperature
Shelf Life	24 months
Item Description	Powder, chemically defined and animal derived compound free





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