

Antibiotic Resistant Antimicrobial Strategy

When subjected to MCFIP's quantum biology model, the findings relative to GML were summarized and affixed to this article for discussion with computational biologists.

Note: With near certainty, these findings provide a medicinal epigenetic foundation from which antibiotic resistant microbes can be killed.

<https://neurosciencenews.com/breastmilk-bacteria-15061/>

Compound in breast milk fights harmful bacteria

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Summary: Glycerol monolaurate (GML), a compound found in human breast milk, fights against the effects of harmful bacteria while allowing beneficial bacteria to thrive. GML also inhibits inflammation in epithelial cells, helping to prevent both bacterial and viral infections of the gut. GML is 200 times higher in human breast milk than cow milk. Researchers propose adding GML to infant formula and cow milk given to small children.

Source: National Jewish Health

Researchers at National Jewish Health and the University of Iowa have identified a compound in human breast milk that fights infections by harmful bacteria while allowing beneficial bacteria to thrive. Human breast milk has more than 200 times the amount of glycerol monolaurate (GML) than is found in cows' milk. Infant formula has none. GML is inexpensive to manufacture. Future research will determine if GML could be a beneficial additive to cow's milk and infant formula.

“Our findings demonstrate that high levels of GML are unique to human breast milk and strongly inhibit growth of pathogenic bacteria,” said Donald Leung, MD, PhD, professor of pediatrics at National Jewish Health and senior author on a paper in *Scientific Reports*.

In theory, the laurates are natural antimicrobials that are biosimilar to apolactoferrin. With near certainty, their ability to provide cellular defenses is derived from autophagy with the antimicrobial attribute being derived from the interactions of the mono and trilaurate forms with dilaurate performing quantum reoccurrence¹ for the epithelial and endothelial defensive cell barriers in the body.

¹Self-assembly in particle physics based on ionic polarity that creates enzymatic disassembly and reassembly of particles.