2'-Fucosyllactose (2’-FL) – a HMO

**Gastrointestinal Integrity**
- 2'-FL (HMO) exhibits anti-inflammatory activity in the large intestine and strengthens the gut wall.5
- Provides support for tight junction formation in the intestinal barrier through the increases in short chain fatty acid (SCFA) production.6,7

**Microbial Balance**
- Resistant to human enzymatic activity, 2'-FL (HMO) acts as a prebiotic to normalise colonic function.
- Unlike other prebiotics, such as GOS or FOS, 2'-FL (HMO) exclusively favours the growth of beneficial bacteria.8
- Supplementation with 2'-FL (HMO) in adults is associated with bifidogenic and butyrogenic effects increasing Short-Chain Fatty Acid (SCFA) production.9
- Supports management of IBS and Ulcerative Colitis symptoms with minimal side effects.8

**Immune Function**
- 2'-FL (HMO) exhibits immunomodulatory and anti-inflammatory activity within the large intestine.
- 2'-FL (HMO) inhibits epithelial adhesion of intestinal pathogens for the prevention of viral and bacterial infections.9
- 2'-FL (HMO) support immune balance by reducing pro-inflammatory cytokine secretion.9

**Zinc L-Carnosine (from polaprezinc)**

**Gastrointestinal Integrity**
- Zinc L-Carnosine (from polaprezinc) exhibits a protective role in wound healing.9
- Evidence supports the safety and efficacy of Zinc L-Carnosine for the maintenance, prevention, and treatment of the mucosal lining and other epithelial tissues and its use for gastric ulcers and conditions of the upper gastrointestinal tract.5
- Protects the intestinal lining against damage from medication-induced injuries.10
- Studies also conclude Zinc L-Carnosines’ ability in improving taste disorders.11

**Immune Function**
- Zinc is an essential trace element crucial for the maintenance of both innate and adaptive immune functions.12
- Involved in the modulation of the proinflammatory immune response. Zinc supports control of oxidative stress and helps to regulate inflammatory cytokines.12

Available to order by health care practitioners:

**2'-FL (HMO) is utilized by and nourishes the growth of beneficial bacteria and thus increases short chain fatty acids (SCFA)**

**2'-FL (HMO) strengthen the intestinal barrier**

**2'-FL (HMO) protects the intestinal barrier by preventing the attachment of pathogens**

**Zinc maintains normal taste and smell function**

**Zinc L-Carnosine (polaprezinc) exhibits a protective role in wound healing**

**2'-FL can support immune balance by regulating production and release and signaling molecules (e.g. anti and pro inflammatory cytokines)**