

Rev03
Update: Feb,10,2022

DATASHEET

Tuftsins

Cat. No.: RP10624

Overview

Description	Tuftsins is a physiologic tetrapeptide, which has been shown to possess immunoadjuvant properties including the stimulation of macrophage and granulocyte phagocytosis, migration, bactericidal, and tumoricidal activities. Tuftsins has also been reported to possess <i>in vivo</i> immunologically mediated anti-tumor potential. Some studies show that treatment of splenic effector cells with tuftsins prolongs the cytotoxic capabilities of these cells.
Cas No	72103-53-8
Sequence	{THR}{LYS}{PRO}{ARG}
Sequence Shortening	TKPR
Molecular Formula	C ₂₁ H ₄₀ N ₈ O ₆
Molecular Weight	500.6

Properties

Purity	> 95%
Form	Lyophilized
Storage	Store tuftsins at -20°C. Keep container tightly closed.
Note	Tuftsins is a tetrapeptide, Thr-Lys-Pro-Arg, that resides in the Fc-domain of the heavy chain of immunoglobulin G. Tuftsins originates from a specific fraction of the parent protein through enzymatic processing. Tuftsins possesses a broad spectrum of activities related primarily to the immune system function and exerts these effects on phagocytic cells, notably on macrophages.