

Product Name	: Splenopentin diacetate
Synonyms	: Splenopentin Acetate; SP5; Arg-lys-glu-val-tyr; Splenin pentapeptide (32-36); Thymopoietin III pentapeptide (32-36); Splenopentin Acetate;
Cat No.	: M27411
CAS Number	: 105184-37-0
Molecular Formula	: C33H55N9O11
Formula Weight	: 753.9
Chemical Name	: —
Description	: Splenopentin diacetate is a synthetic immunomodulating peptide and can reproduce the biological activities of splenin and thymic hormone thymopoietin. (In Vitro): Splenopentin diacetate (0.1 ng/mL-10 µg/mL) induces phenotypic differentiation of both T- and B-cell precursor cells, to increase the number of antibody-forming cells in mice after gamma irradiation. (In Vivo): Splenopentin diacetate (0.01-100 µg; i.p.) has no demonstrable effect on neuromuscular transmission of mice. Splenopentin diacetate (1 mg/kg; i.p.) accelerates Langerhans cell recruitment and leads to pretreatment levels of Langerhans cell (LC) density in the skin of female Balb/c/Blm mice were injected Cyclophosphamide or Dexamethasone.
Pathway	: Others
Target	: Other Targets
Receptor	: —
Solubility	: —
SMILES	: <chem>CC(O)=O.CC(C)[C@H](NC(=O)[C@H](CCC(O)=O)NC(=O)[C@H](CCCCN)NC(=O)[C@@H](N)CCNC(N)=N)C(=O)N[C@@H](Cc1ccc(O)cc1)C(O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Zhu Weifeng, et al. Pesticide composition having synergistic function and application thereof. CN101647434A.