

**TITLE OF INVENTION: [SALAMANDER SKIN SECRETION HYDROLYSATE,
AND PREPARATION METHOD AND USE THEREOF]**

ABSTRACT

The present invention relates to the field of biological materials, and in particular to a salamander skin secretion hydrolysate, and preparation method and use thereof. The present invention provides a method of a salamander skin secretion hydrolysate, comprising the following steps: S1 mixing a disulfide bond reducing agent and a first solvent to obtain a second solvent; S2 mixing a lyophilized powder of salamander skin secretion and the second solvent to obtain a first mixed solution; S3 fully hydrolyzing the first mixed solution to obtain a second mixed solution; S4 centrifuging the second mixed solution and collecting a supernatant; S5 transferring the supernatant into a dialysis bag with a molecular weight cut-off ≤ 1000 and placing the dialysis bag in the first solvent for full dialysis to obtain the salamander skin secretion hydrolysate; wherein the disulfide bond reducing agent comprises a specific disulfide bond reducing agent, the specific disulfide bond reducing agent is Tris(2-carboxyethyl)phosphine hydrochloride (TCEP-HCl).

[Fig. 2c]