Product Name	:	Tyroserleutide hydrochloride
Synonyms	:	
Cat No.	:	M30297
CAS Number	:	852982-42-4
Molecular Formula	:	C18H28ClN3O6
Formula Weight	:	417.9
Chemical Name	:	
Description	:	Tyroserleutide hydrochloride is a small molecule tripeptide isolated from the degradation product of pig spleen, which can inhibit tumor growth in vivo and in vitro.(In Vitro):Tyroserleutide (YSL) exhibits immuno-modulating effects, such as enhancing concanavalin (ConA) induced proliferation of mouse spleen lymphocytes, phagocytosis of mouse peritoneal macrophages, and the activity of natural killer (NK) cells. Tyroserleutide (YSL), an immunologically therapeutic tripeptide, can promote hepatocarcinoma cell (H22) apoptosis through downregulating Bcl-2 and cyclin D1 expression. Tyroserleutide is an ideal choice for inducing apoptosis of liver tumor cells. Tyroserleutide inhibits tumor growth and does not cause severe toxicities in the major organs. Tyroserleutide can inhibit tumor cell migration.(In Vivo):Tyroserleutide (10-80 μg/kg; injection (i.p.) one time every day until mice are dead) displays obvious anti-tumor activity. Tyroserleutide significantly prolongs the survival time of the murine H22 implanted mice.
Pathway	:	Others
Target	:	Other Targets
Receptor	:	Antitumor tripeptide
Solubility	:	DMSO : 250 mg/mL (598.26 mM; Need ultrasonic)
SMILES	:	——
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

Wang C, et al. Studies on the large scale synthesis and anti-tumor activity of YSL. Prep Biochem Biotechnol. 2003 Aug;33(3):189-95.