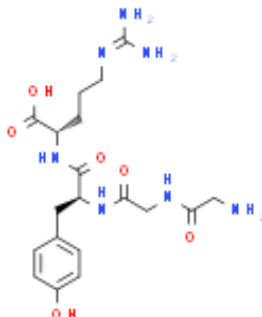


Product Data Sheet

Cas No.:	70195-20-9	Cat. No:	PC11513
Product Name:	Papain Inhibitor		
Product synonym:	甘氨酸甘氨酸酪氨酸-精氨酸;甘氨酸-甘氨酸-酪氨酸-精氨酸;Gly-Gly-Tyr-Arg		
Chemical name:	Papain Inhibitor		
MF:	C19H29N7O6	FW:	451.48
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	NCC(NCC(NC(C(NC(C(=O)O)CCCNC(=N)N)=O)CC1=CC=C(O)C=C1)=O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

木瓜蛋白酶抑制剂,木瓜蛋白酶是一种存在于木瓜和山木瓜中的半胱氨酸蛋白酶。作用机制是通过His-159裂解去质子化的Cys-25肽键。Asparagine-175有助于His-159的咪唑环定向而发生去质子化。Cys-25攻击肽骨干的羰基碳,使肽的氨基末端游离,形成一个共价酰基酶中间体。这个酶通过水分子脱酰基,并释放肽的羧基端部分。