

Centre for AIDS Reagents

Data Sheet

NAME:	HIV-1 Protease peptides
REPOSITORY REFERENCE:	ARP7119.1-21
PURITY:	>80% (HPLC, 220nm, C18, linear gradient)
SIZE:	15 mers
SPECIAL CHARACTERISTICS:	This product is supplied as a trifluoroacetate salt
SOLUBILITY:	<i>See below</i>
STORAGE:	-20°C
SOURCE:	JPT Peptide Technologies
ACKNOWLEDGEMENTS:	Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website in the “Acknowledgement” section at:- www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy.

Peptide	Sequence	Position	Peptide	Sequence	Position
ARP7119.1	PQVTLWQRPLVTIKI	1-15	ARP7119.12	VRQYDQILIEICGHK	56-70
ARP7119.2	WQRPLVTIKIGGQLK	6-20	ARP7119.13	QILIEICGHKAIGTV	61-75
ARP7119.3	VTIKIGGQLKEALLD	11-25	ARP7119.14	ICGHKAIGTVLVGPT	66-80
ARP7119.4	GGQLKEALLDTGADD	16-30	ARP7119.15	AIGTVLVGPTPVNII	71-85
ARP7119.5	EALLDTGADDTVLEE	21-35	ARP7119.16	LVGPTPVNIIGRNLL	76-90
ARP7119.6	TGADDTVLEEMSLPG	26-40	ARP7119.17	PVNIIGRNLLTQIGC	81-95
ARP7119.7	TVLEEMSLPGRWKPK	31-45	ARP7119.18	GRNLLTQIGCTLNFP	86-99
ARP7119.8	MSLPGRWKPKMIGGI	36-50	ARP7119.19	TQIGCTLNFPISPIE	91-99
ARP7119.9	RWKPKMIGGIGGFIK	41-55	ARP7119.20	TLNFPISPIETVPVK	96-99
ARP7119.10	MIGGIGGFIKVRQYD	46-60	ARP7119.21	GGQLKEA LLNTGADD	16-30
ARP7119.11	GGFIKVRQYDQILIE	51-65			

PURITY and SOLUBILITY

Concentration 0.25 mg/ml

- + complete dissolution
- incomplete dissolution

	MOL weight (g/mol)	HPLC PURITY (%)	SOLUBILITY DATA		
			WATER	PBS (pH 7.2)	DMSO (100%)
ARP7119.1	1792.21	98.4	+	+	+
ARP7119.2	1737.12	87.1	+	+	+
ARP7119.3	1597.92	94.6	+	+	+
ARP7119.4	1502.61	80	-	+	+
ARP7119.5	1590.69	90.5	-	+	+
ARP7119.6	1534.68	84.6	+	+	+
ARP7119.7	1771.12	99.5	+	+	+
ARP7119.8	1671.09	94	+	+	+
ARP7119.9	1688.1	98.9	-	+	+
ARP7119.10	1653.96	94.7	+	+	+
ARP7119.11	1779.08	96.3	+	+	+
ARP7119.12	1815.13	87.9	+	+	+
ARP7119.13	1594.94	97.9	+	+	+
ARP7119.14	1465.78	82.7	+	+	+
ARP7119.15	1463.79	92.4	-	+	+
ARP7119.16	1575.92	89.9	-	+	+
ARP7119.17	1610.94	84.5	-	+	+
ARP7119.18	1646.94	85.8	-	+	+
ARP7119.19	1632.92	92.5	+	+	+
ARP7119.20	1654.99	98.7	+	+	+
ARP7119.21	1501.62	99	+	+	+

Note: The solubility in the table above is an estimation based on there hydrophilicity pattern of the peptides. Therefore it is suggested to dissolve all peptides in a small amount of DMSO first and then dilute in steps to a final concentration with PBS.