

Some inhibitors may permeate some cell systems and not others.
 * Inhibitors can be permeable in some cases (particularly with aldehyde-based inhibitors), but may require greater concentrations and longer duration.
 ^ Able to permeate some cells according to several references.

CODE	PRODUCT	TARGET	WORKING CONC. GUIDE	SOLUBILITY	CELL PERMEABLE #	REVERSIBLE	QTY	USD
IAR-4148-v	Arphamenine A	Aminopeptidase B	100 - 500 nM	Distilled water		YES	0.5 mg	34
IAR-4149-v	Arphamenine B	Aminopeptidase B	50 - 100 nM	Distilled water		YES	0.5 mg	39
IBS-4093-PI	Ubenimex (Bestatin)	Aminopeptidase B and Leucine Aminopeptidase	1-10 μ M IC ₅₀ = 4 μ M	Acetone, DMSO	YES	YES	25 mg	142
ILH-4249-v	Leuhistin	Aminopeptidase M	0.1 - 3 μ M Ki = 230 nM (aminopeptidase M)	Distilled water		YES	0.5 mg	36
IAC-4157-v	Actinonin	Aminopeptidase M and Leucyl Aminopeptidase	1 - 200 μ M	Acetic Acid		YES	0.5 mg	34
IPH-4342-v	Phebestin	Aminopeptidase N	Ki = 47 μ M	DMSO			5 mg	100
IAM-4095-v	Amastatin	Aminopeptidase A and Leucyl Aminopeptidase	1 - 10 μ M	DMSO		YES	0.5 mg	69
IDP-4132-v	Diprotin A	Dipeptidyl Aminopeptidase IV	10 - 50 μ M Ki = 2.2 μ M	Distilled water		YES	0.5 mg	18
IEB-4155	Ebelactone A	N-Formylmethionyl Aminopeptidase, Lipase, and Esterase	1 - 10 μ M	MeOH and EtOH	NO*	YES	25 mg	995
IEB-4156	Ebelactone B	N-Formylmethionyl Aminopeptidase, Lipase, and Esterase	1 - 10 μ M	MeOH and EtOH	NO*	YES	25 mg	995
IAB-4009-v	Bradykinin-Potenitator B	Angiotensin I Converting Enzyme, Peptidyl-dipeptidase A, Kinase II	IC ₅₀ = 1.1 μ M	Distilled water			0.5 mg	30
IAC-4010-v	Bradykinin-Potenitator C	Angiotensin I Converting Enzyme, Peptidyl-dipeptidase A, Kinase II	IC ₅₀ = 7.1 μ M	Distilled water			0.5 mg	23
IBK-4097-v	Des-Pro²-Bradykinin	Angiotensin I Converting Enzyme, Peptidyl-dipeptidase A, Kinase II	10 μ M	Distilled water			0.5 mg	30
IFR-4190-v	Foroxymithine	Angiotensin I Converting Enzyme	IC ₅₀ = 12 μ M	Distilled water			0.5 mg	65
IRG-4395-v	KYT-1	Arg-Gingipain	1 - 100 μ M	DMSO			1 mg	263
IKG-4396-v	KYT-36	Arg-Gingipain	1 - 100 μ M	DMSO			1 mg	263
IKK-4374-v	Lys-Lys-Lys-Leu-Arg-Arg-Gln-Glu-Ala-Phe-Asp-Ala-Tyr (KKKLRRQEAFDAY or AIP)	Calmodulin-Dependent Protein Kinase II	IC ₅₀ = 4 nM	Distilled water			0.5 mg	100
IZL-3178-v	Z-Leu-Leu-H (aldehyde) Z-LL-CHO	Calpain	10 - 100 μ M	DMSO	YES	YES	5 mg	40
IES-4096-v	E-64	Calpain, Thiol Proteases	1-10 μ M	Distilled water	NO* [^] (Can Permeate SF9 Insect Cells)	NO	0.5 mg	37
IEC-4320-v	E-64-c	Calpain and Cathepsin B/H/L, Thiol Proteases	1-10 μ M	DMSO	NO*	NO	5 mg	100

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IEC-4321-v	E-64-d	Calpain and Cathepsin B/H/L, Thiol Proteases	1-10 μ M	DMSO	YES	NO	5 mg	100
ICA-3187-v	Ac-Trp-Glu-His-Asp-H (aldehyde) [Ac-WEHD-CHO]	Caspase-1	10 - 100 μ M	DMSO	NO*	YES	5 mg	200
IAT-3165-v	Ac-Tyr-Val-Ala-Asp-H (aldehyde) [Ac-YVAD-CHO]	Caspase-1/4	10 - 100 μ M	DMSO	NO*	YES	5 mg	195
IAT-3166-v	Ac-Tyr-Val-Lys-Asp-H (aldehyde) Ac-YVKD-CHO	Caspase-1	10 - 100 μ M Ki = 0.038 μ M	DMSO	NO*	YES	5 mg	195
IVD-3204-v	Ac-Val-Asp-Val-Ala-Asp-H (aldehyde) Ac-VDVAD-CHO	Caspase-2	0.0001 - 100 μ M Ki = 3.5 nM	DMSO	NO*	YES	5 mg	300
IAC-3221-v	Ac-Asp-Asn-Leu-Asp-H (aldehyde) Ac-DNLD-CHO	Caspase-3	1 - 30 nM IC ₅₀ = 3.2 nM	DMSO	NO*	YES	5 mg	212
ICA-3192-v	Ac-Asp-Met-Gln-Asp-H (aldehyde) Ac-DMQD-CHO	Caspase-3	10 - 100 μ M	DMSO	NO*^	YES	5 mg	300
IAP-3172-v	Ac-Asp-Glu-Val-Asp-H (aldehyde) Ac-DEVD-CHO	Caspase-3/7/8	1 - 100 μ M	DMSO	NO*^	YES	5 mg	195
IBA-3173-v	Biotinyl-Asp-Glu-Val-Asp-H (aldehyde) Biotinyl-DEVD-CHO	Caspase-3/7/8	10 - 100 μ M	DMSO	NO*	YES	1 mg	99
IVA-3182-v	Ac-Val-Glu-Ile-Asp-H (aldehyde) Ac-VEID-CHO	Caspase-6	10 - 100 μ M	DMSO	NO*	YES	5 mg	218
ICA-3194-v	Ac-Asp-Gln-Thr-Asp-H (aldehyde) Ac-DQTD-CHO	Caspase-7/3	50 - 100 μ M	DMSO	NO*^	YES	5 mg	250
ICA-3196-v	Ac-Ile-Glu-Thr-Asp-H (aldehyde) Ac-IETD-CHO	Caspase-8/6, Granzyme B	50 - 100 μ M	DMSO	NO*	YES	5 mg	200
ICA-3199-v	Ac-Leu-Glu-His-Asp-H (aldehyde) Ac-LEHD-CHO	Caspase-9	0.01 - 10 μ M	DMSO	NO*	YES	5 mg	250
ICL-3180-v	Ac-Tyr-Val-Ala-Asp-CH₂Cl Ac²-YVAD-CMK	Caspases	1 - 200 μ M IC ₅₀ ~ 50 μ M	DMSO	YES	NO	5 mg	200
ICE-3174-v	Z-Asp-CH₂-DCB	Caspases	50 - 200 μ M	DMSO	YES	NO	5 mg	195
ICA-3189-v	Z-Glu-Lys(Biotinyl)-Asp-CH₂-DMB [Z-ÉK(bio)D-aomk]	Caspases	1 μ M	DMSO			1 mg	100
ICA-3188-v	Z-Val-Ala-Asp(OMe)-CH₂F [Z-VAD(OMe)-FMK]	Caspases	0.05 - 100 μ M	DMSO	YES	NO	1 mg	100
IEC-3644-PI	N-(4-Biphenylacetyl)-Cys(Me)-D-Arg-Phe-N-Phenylethylamide (Cathepsin L, Inhibitor VI)	Cathepsin L	Ki = 19 nM (Cathepsin L)			YES	5 mg	65
IPA-4397	Pepstatin A (Purity > 90% by HPLC)	Cathepsin D/E, Aspartyl proteases, Pepsin, Renin	1 - 10 μ M	DMSO, Ethanol, or Acetic Acid (9:1 v/v)	NO*^	YES (Can Permeate SF9 Insect Cells)	25 mg	75
IAL-3678-PI	Ac-Leu-Leu-Met-H (aldehyde) [ALLM]	Cathepsin B/L, Calpain I/II, Proteasome (weak)	0.1 - 250 μ M	DMSO, MeOH, and EtOH	YES	YES	5 mg	46

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IAL-3671-PI	Ac-Leu-Leu-Nle-H (aldehyde) [ALLN, MG-101]	Cathepsin B/L, Cysteiny proteases, Calpain I/II Proteasome	0.1 - 500 μ M	DMSO and EtOH	YES	YES	5 mg	46
ICY-4063	Chymostatin	Chymotrypsin, Cysteiny proteases, Chymase, Papain, Cathepsin B/G	10 - 100 μ M	DMSO	YES	YES	25 mg	173
IAT-3830-PI	Aprotinin	Chymotrypsin, Serine proteases, Kallikrein, Trypsin, and Plasmin	10 - 800 nM	Distilled water	NO*	YES	25 mg	125
IAA-3202-v	Ala-Ala-Phe-CH₂Cl [AAF-CMK]	Chymotrypsin-like protease, Tripeptidyl Peptidase II, Chymase	1 - 10 μ M	Distilled water	YES	YES (NO in some cases)	5 mg	60
ISN-3821-PI	Ac-SIMP-1	Collagenase	1 - 2 mM	DMSO			5 mg	75
ISN-3831-PI	Ac-SIMP-2	Collagenase					5 mg	95
ISN-3825-PI	SIMP-1	Collagenase	1 - 2 mM	DMSO and Methanol			5 mg	90
ISN-3835-PI	SIMP-2	Collagenase					5 mg	110
IEC-4322-v	CA-074	Cysteiny proteases, Cathepsin B	0.001 - 10 μ M IC ₅₀ = 2.24 nM (for rat liver cathepsin B)	DMSO	NO* [▲]	NO	5 mg	150
IEC-4323-v	CA-074 Me	Cysteiny proteases, Proinhibitor for Intracellular Cathepsin B	1 - 10 μ M	DMSO	YES	NO (YES in some cases)	5 mg	150
IAP-4062	Antipain	Cysteiny Serine proteases, Trypsin, Papain, Cathepsin A/B, u-PA	1 - 100 μ M IC ₅₀ = 300 μ M (cysteine proteases)	Distilled water		YES	25 mg	103
ILP-4041-v	Leupeptin	Cysteiny Serine proteases, Trypsin, Plasmin, Papain, Cathepsin B	1 - 100 μ M	Distilled water	NO* [▲]	YES	0.5 mg	34
IDP-3655-PI	Dab-Pip	Dipeptidyl-Peptidase II	IC ₅₀ = 0.13 μ M				5 mg	35
PEL-4243-v	Elafin (Human)	Elastase	Ki = 0.00017 μ M (elastase)	Distilled water		YES	20 μ g	329
IEL-4064	Elastatinal	Elastase	0.1 - 100 μ M Ki = 240 nM	Distilled water		YES	25 mg	167
ICL-4146-v	Cl-Ac-(OH)Leu-Ala-Gly-NH₂	Elastase (<i>Pseudomonas aeruginosa</i>)	10 - 40 mM	Distilled water		NO	0.5 mg	29
ICL-3223-v	Bz-Arg-His-D-Asp-CH₂Cl [Bz-RHd-CMK]	D-Aspartyl Endopeptidase	IC ₅₀ = 3 μ M				5 mg	212
ISU-3214-v	SUAM-14746	Prolyl Endopeptidase	IC ₅₀ = 55.3 nM (human prolyl oligopeptidase)				5 mg	159
IPO-4082-v	Phosphoramidon	Neutral Endopeptidase, Thermolysin, Endothelin Converting Enzyme	1-100 μ M	Distilled water	YES	YES	0.5 mg	39
PED-3512-PI	BQ-123	ET _A endothelin receptor (antagonist)	0.07 - 1 μ M	Distilled water	YES	YES	1 mg	65

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PED-3610-PI	BQ-610	ET _A endothelin receptor (antagonist)	0.005 -100 µM			YES	1 mg	75
PED-3788-PI	BQ-788	ET _B endothelin receptor (antagonist)	0.01 - 100 µM	Distilled water, DMSO		YES	1 mg	140
INH-3850-PI	TAPI-O	MMPs, Collagenase, Gelatinase, TNF α-converting enzyme (TACE/ADAM-17)	1 - 200 µM IC ₅₀ = 3 µM (L-Selectin release)	DMSO			1 mg	125
INH-3855-PI	TAPI-1	Analog of TAPI-O with similar activity and improved serum stability	1 - 200 µM IC ₅₀ = 10 µM (ACE release)	DMSO and MeOH	YES		1 mg	125
INH-3852-PI	TAPI-2	MMPs, Collagenase, TACE, APP, ACE Secretase	1 - 200 µM IC ₅₀ = 10 µM (L-Selectin release)	Distilled water and EtOH	YES		1 mg	125
INH-3927-PI	Galardin™ GM6001, Ilomastat	MMPs and Collagenase	10 - 25 µM	DMSO and Ethanol	YES	YES	5 mg	175
ICY-4423-v	Cytostatin	Protein Phophatase 2A	1 - 60 µM	Distilled water	YES		0.2 mg	129
IBS-4378-v	Lys-Thr-Glu-Glu-Ile-Ser-Glu-Val-Asn-Sta-Val-Ala-Glu-Phe (KTEEISEVN(Stat)VAEF)	β-Secretase	0.01 - 50 µM	0.02% ammonia solution	NO*	YES	1 mg	219
IGS-4394-v	L-685,458 (γ-Secretase Inhibitor X)	γ-Secretase	0.01 - 10 µM IC ₅₀ = 5 µM (SPP), IC ₅₀ = 17 nM (total β-amyloid)	DMSO	YES	YES	1 mg	315
IGS-3219-v	(3,5-Difluorophenyl-acetyl)-Ala-Phg-OBut [DAPT or γ-Secretase Inhibitor IX]	γ-Secretase	0.0001 - 10 µM IC ₅₀ = 115 nM (total β-amyloid)	DMSO	YES	YES	5 mg	107
IGS-3641-PI	(3,5-Difluorophenyl-acetyl)-Ala-Phg-OBut [DAPT or γ-Secretase Inhibitor IX]	γ-Secretase	0.0001 - 10 µM IC ₅₀ = 115 nM (total β-amyloid)	DMSO	YES	YES	10 mg	150
IZL-3218-v	(Z-Leu-Leu-NHCH₂)₂CO [(Z-LL)₂Ketone]	Signal Peptide Peptidase	1 - 200 µM	DMSO	YES (may be less so than other inhibitors)		5 mg	76
IAT-3169-v	Z-Ile-Glu(OtBu)-Ala-Leu-H (aldehyde) [PSI]	Ubiquitin-Proteasome System, Proteasome	0.25 - 50 µM	DMSO	YES	YES	5 mg	83
IUP-3207-v	Ubiquitin Aldehyde (Ubal)	Ubiquitin-Proteasome System, Deubiquitinating Enzyme	0.6 - 15 µM	DMSO	NO*	YES	50 µg	215
IEP-4381-v	Epoxomicin	Ubiquitin-Proteasome System, Proteasome	< 1 µM	DMSO	YES	NO	0.2 mg	219
ILC-4368-v	Lactacystin	Ubiquitin-Proteasome System, Proteasome	5 - 25 µM IC ₅₀ = 10 µM	Distilled water	YES	NO	0.2 mg	195
IAT-3170-v	Z-Leu-Leu-Nva-H (aldehyde)[MG-115]	Ubiquitin-Proteasome System, Proteasome	0.01 - 50 µM	DMSO	YES	YES	5 mg	55
IZL-3175-v	Z-Leu-Leu-Leu-H (aldehyde) [MG 132]	Ubiquitin-Proteasome System, Proteasome, Cathepsin K	0.001 - 50 µM IC ₅₀ = 5 µM (in cell culture)	DMSO	YES	YES	5 mg	43