

CASPASE SELECTION GUIDE

Fluorogenic

Substrate	Target	MW	Ex	Em	Stokes Shift	Laser	Filter
Ac-DEVD-AMC	Caspase 3	675.64	341	441	100	355	Blue
Z-DEVD-AMC	Caspase 3	767.68	341	441	100	355	Blue
Ac-DEVD-AFC	Caspase 3	726.61	376	482	106	355	Blue
Z-DEVD-AFC	Caspase 3	821.71	376	482	106	355	Blue
ApoSight™ Green	Caspases 3, 7	1290.61	500	522	22	488	FITC
(Z-DEVD)2-R110	Caspases 3, 7	1515.44	500	522	22	488	FITC
Z-DEVD-ProRed™ 620	Caspases 3, 7	1565.5	532	619	87	532	Orange
Ac-IETD-AFC	Caspase 8	729.65	376	482	106	355	Blue
(Ac-IETD)2-R110	Caspase 8	1331.34	500	522	22	488	FITC
Z-IETD-ProRed™ 620	Caspase 8	1565.59	532	619	87	532	Orange
Ac-IETD-AMC	Caspase 8/Granzyme B	675.68	341	441	100	355	Blue
Z-IETD-AFC	Caspase 8/Granzyme B	821.75	376	482	106	355	Blue
Ac-LEHD-AMC	Caspase 9	711.72	341	441	100	355	Blue
(Ac-LEHD)2-R110	Caspase 9	1403.41	500	522	22	488	FITC
Z-LEHD-ProRed™ 620	Caspase 9	1865.7	532	619	87	532	Orange

Colorimetric

Substrate	Target	MW	Absorbance	Color
Ac-DEVD-pNA	Caspase 3	638.58	405 nm	Yellow
Z-DEVD-pNA	Caspase 3	730.68	405 nm	Yellow
Z-IETD-pNA	Caspase 8/Granzyme B	730.72	405 nm	Yellow

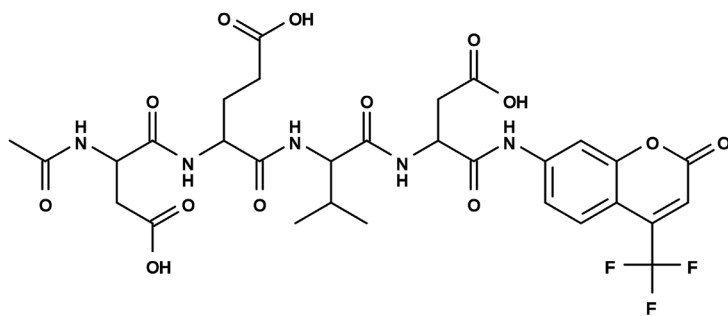
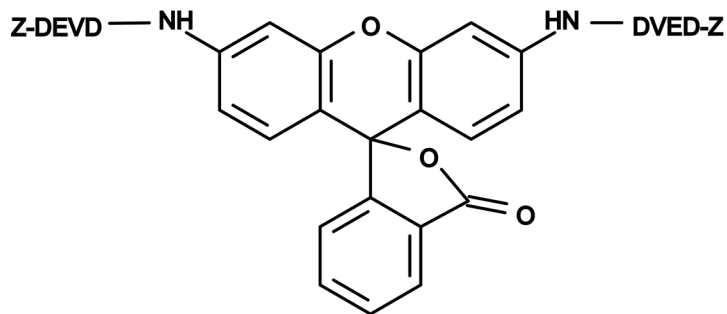


Figure 1. Chemical structure for Ac-DEVD-AFC *CAS 201608-14-2*



Z-DEVD = Cbz-Asp-Glu-Val-Asp

Figure 2. Chemical structure for (Z-DEVD)2-R110.

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