

## A

$\gamma$ -Abu-L-Lys.HCl Tada <i>et al.</i> (1984); Nosho <i>et al.</i> (1990)	r	1.56 mM (sweet/sour taste)
$\gamma$ -Abu-L-Orn.HCl Tada <i>et al.</i> (1984)	r	2.89 mM (sweet/sour taste)
A <sub>2</sub> bu- $\gamma$ -Abu.HCl Tada <i>et al.</i> (1984)	r	1.56 mM (salty taste)
A <sub>2</sub> bu- $\beta$ -Ala.HCl Tada <i>et al.</i> (1984)	r	1.56 mM (umami taste)
A <sub>2</sub> bu-Gly.HCl Tada <i>et al.</i> (1984)	r	2.36 mM (umami taste)
A <sub>2</sub> bu-L-Tau.HCl Tada <i>et al.</i> (1984)	r	1.56 mM (sour/salty taste)
A <sub>2</sub> Pr <sup>3</sup> - $\beta$ -Ala.HCl Tada <i>et al.</i> (1984)	r	6.25 mM (umami taste)
A <sub>2</sub> Pr <sup>3</sup> -Gly.HCl Tada <i>et al.</i> (1984)	r	2.44 mM (umami taste)
A <sub>2</sub> Pr <sup>3</sup> -L-Tau.HCl Tada <i>et al.</i> (1984)	r	5.50 mM (sour/sweet taste)
Ac-Gly-L-Leu Wieser & Belitz (1976)	r	19 - 21 mM (bitter taste)
Ac-Gly-L-Leu-OMe Wieser & Belitz (1976)	r	3 - 5 mM (bitter taste)
Ac-L-Leu-Gly Wieser & Belitz (1976)	r	20 - 22 mM (bitter taste)
Ac-L-Leu-Gly-OMe Wieser & Belitz (1976)	r	4 - 5 mM (bitter taste)
Ac-L-Leu-L-Leu Matoba & Hata (1972)		5 mM
Ac-L-Leu-L-Leu-OMe Matoba & Hata (1972)		0.23 mM
Ac-L-Leu-L-Phe Matoba & Hata (1972)		2.5 mM
Ac-L-Leu-L-Phe-OMe Matoba & Hata (1972)		0.078 mM
Ac-L-Orn(Ac)- $\beta$ -Ala Seki <i>et al.</i> (1990a)	r	1.23 mM (sour taste)

**PEPTIDES AND DERIVATIVES**    detection (d) and recognition (r) flavour and taste threshold values in water and other media

Ac-L-Orn-β-Ala Seki <i>et al.</i> (1990a)	r	4.95 mM (sweet/sour taste)
δ-Ac-L-Orn-β-Ala Seki <i>et al.</i> (1990b)	r	3.50 mM (sweet taste)
δ-Ac-L-Orn-β-Ala-OMe Seki <i>et al.</i> (1990b)	r	3.13 mM (bitter taste)
δ-Ac-L-Orn-L-Pro-L-Pro-L-Phe-L-Ile-L-Val Kanehisa & Okai (1984)	r	0.60 mM (bitter taste)
Ac-L-Phe-L-Leu Matoba & Hata (1972) Wieser & Belitz (1976)	r	2.5 mM 0.9 - 1.1 mM (bitter taste)
Ac-D-Phe-L-Leu Matoba & Hata (1972)		2.5 mM
Ac-L-Phe-L-Leu-OMe Matoba & Hata (1972) Wieser & Belitz (1976)	r	0.078 mM 0.02 - 0.04 mM (bitter taste)
Ac-D-Phe-L-Leu-OMe Matoba & Hata (1972)		0.078 mM
Ac-D-Phe-L-Lys Nosho <i>et al.</i> (1990)	r	0.32 mM (sweet/sour/bitter taste)
Ac-L-Phe-L-Lys Nosho <i>et al.</i> (1990)	r	0.22 mM (sweet/sour taste)
Ac-L-Phe-L-Phe Matoba & Hata (1972)		1.3 mM
Ac-L-Phe-L-Phe-OMe Matoba & Hata (1972)		0.078 mM
L-Ala-L-Ala Kirimura <i>et al.</i> (1969) Ishibashi <i>et al.</i> (1988a); Tamura <i>et al.</i> (1990b)	r	> 2,000 mg/kg 6 mM (sweet taste)
L-Ala-L-Ala-L-Ala Ishibashi <i>et al.</i> (1988a); Tamura <i>et al.</i> (1990b)	r	3 mM (sweet taste)
L-Ala-L-Ala-Gly Ishibashi <i>et al.</i> (1988a)	r	19 mM (sweet taste)
Ala-Ala-Leu Wieser & Belitz (1975b)	r	50 - 100 mM (bitter taste)
L-Ala-L-Asp Ohyama <i>et al.</i> (1988) Ohyama <i>et al.</i> (1988)	r r	13 mM (umami taste) 6 mM (bitter taste)

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D-Ala-L-Asp-D-Ala-L-Ala-OMe Ariyoshi <i>et al.</i> (1990)	r	6,000 mg/kg (sweet taste)
D-Ala-L-Asp-D-Ala-OMe Ariyoshi <i>et al.</i> (1990)	r	< 500 mg/kg (sweet taste)
L-Ala-L-Asp-D-Ala-OMe Ariyoshi <i>et al.</i> (1990)	r	6,000 mg/kg (sweet taste)
D-Ala-L-Asp-D-Ala-OPr Ariyoshi <i>et al.</i> (1990)	r	< 200 mg/kg (sweet taste)
D-Ala-L-Asp-L-Phe-OMe Ariyoshi <i>et al.</i> (1990)	r	< 35 mg/kg (sweet taste)
L-Ala-L-Asp-L-Phe-OMe Ariyoshi <i>et al.</i> (1990)	r	< 6,000 mg/kg (sweet taste)
D-Ala-L-Asp-D-Val-OMe Ariyoshi <i>et al.</i> (1990)	r	< 6,000 mg/kg (sweet taste)
D-Ala-L-Asp-D-Val-L-Val-OMe Ariyoshi <i>et al.</i> (1990)	r	6,000 mg/kg (sweet taste)
Ala-Glu Noguchi <i>et al.</i> (1975)		2,000 mg/kg
L-Ala-L-Glu Ohyama <i>et al.</i> (1988)	r	1.5 mM (umami taste)
Van den Oord & Wassenaar (1997)	r	> 2.67 mM
L-Ala-L-Glu-L-Ala Van den Oord & Wassenaar (1997)	r	> 10.0 mM
L-Ala-Gly Kirimura <i>et al.</i> (1969)		> 2,000 mg/kg
L-Ala-Gly-L-Ala Ishibashi <i>et al.</i> (1988a)	r	3 mM (sweet taste)
L-Ala-Gly-Gly Ishibashi <i>et al.</i> (1988a)	r	19 mM (sweet taste)
Ala-Ile-Ala Wieser & Belitz (1975b)	r	50 - 100 mM (bitter taste)
L-Ala-L-Leu Wieser & Belitz (1976)	r	18 - 22 mM (bitter taste)
$\beta$ -Ala-L-Lys.HCl Tada <i>et al.</i> (1984)	r	4.68 mM (sweet/sour taste)
Ala-Lys-Tyr Kawakami <i>et al.</i> (1995)	r	5.3 mM (bitter taste)
Kawakami <i>et al.</i> (1995)	r	0.7 mM (sweet taste)

**PEPTIDES AND DERIVATIVES** detection (d) and recognition (r) flavour and taste threshold values in water and other media

$\beta$ -Ala-L-Orn.HCl Tada <i>et al.</i> (1984)	r	4.82 mM (sour/sweet taste)
Ala-Orn-Tyr Kawakami <i>et al.</i> (1995)	r	0.1 mM (sweet taste)
L-Ala-L-Phe Ishibashi <i>et al.</i> (1987b)	r	12.5 mM (bitter taste)
Asao <i>et al.</i> (1987)	r	15.3 mM (bitter taste)
L-Ala-D-Phe-OMe Shinoda & Okai (1985)		1.4 mM (bitter taste)
L-Ala-L-Phe-OMe Shinoda & Okai (1985)		1.2 mM (bitter taste)
L-Ala-L-Val Wieser & Belitz (1976)	r	60 - 80 mM (bitter taste)
DL-Ama-D-Ala-OMe Ariyoshi <i>et al.</i> (1990)	r	< 110 mg/kg (sweet taste)
L-Anserine.HNO <sub>3</sub> see: L-ANSERINE NITRATE in water section		
L-Arg-L-Arg Otagiri <i>et al.</i> (1985); Ishibashi <i>et al.</i> (1988b,c)	r	8 - 9.5 mM (bitter taste)
L-Arg-L-Arg-L-Arg Otagiri <i>et al.</i> (1985); Ishibashi <i>et al.</i> (1988b)	r	4 mM (bitter taste)
L-Arg-L-Arg-L-Pro-L-Phe-L-Phe Otagiri <i>et al.</i> (1985)	r	0.02 mM (bitter taste)
L-Arg-L-Arg-L-Pro-L-Pro-Gly-D-Phe Shinoda <i>et al.</i> (1986c)	r	0.14 mM (bitter taste)
L-Arg-L-Arg-L-Pro-L-Pro-Gly-L-Phe Shinoda <i>et al.</i> (1986c)	r	0.04 mM (bitter taste)
L-Arg-L-Arg-L-Pro-L-Pro-D-Phe-D-Phe Shinoda <i>et al.</i> (1986c)	r	0.03 mM (bitter taste)
L-Arg-L-Arg-L-Pro-L-Pro-D-Phe-L-Phe Shinoda <i>et al.</i> (1986c)	r	0.006 mM (bitter taste)
L-Arg-L-Arg-L-Pro-L-Pro-L-Phe-D-Phe Shinoda <i>et al.</i> (1986c)	r	0.04 mM (bitter taste)
L-Arg-L-Arg-L-Pro-L-Pro-L-Phe-L-Phe Otagiri <i>et al.</i> (1985); Shinoda <i>et al.</i> (1986c)	r	0.007 mM (bitter taste)
L-Arg-L-Arg-L-Pro-L-Pro-L-Pro-L-Phe-L-Phe-L-Phe Otagiri <i>et al.</i> (1985)	r	0.002 mM (bitter taste)
L-Arg-Gly Otagiri <i>et al.</i> (1983); Ishibashi <i>et al.</i> (1988b)	r	10 mM (bitter taste)