

Supporting information

Trigocherrierin A, a Potent Inhibitor of Chikungunya Virus Replication

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Spectra of trigocherrierin A (**1**)

Figure S1 – ¹H-NMR spectrum (CDCl₃, 600 MHz) of trigocherrierin A (**1**)

Figure S2 – ¹³C-NMR spectrum (CDCl₃, 150 MHz) of trigocherrierin A (**1**)

Figure S3 – HSQC spectrum (CDCl₃, 600 MHz) of trigocherrierin A (**1**)

Figure S4 – COSY spectrum (CDCl₃, 600 MHz) of trigocherrierin A (**1**)

Figure S5 – HMBC spectrum (CDCl₃, 600 MHz) of trigocherrierin A (**1**)

Figure S6 – ROESY spectrum (CDCl₃, 600 MHz) of trigocherrierin A (**1**)

Figure S7 – HR-ESIMS spectrum of trigocherrierin A (**1**)

Spectra of trigocherriolide E (**2**)

Figure S8 – ¹H-NMR spectrum (CDCl₃, 600 MHz) of trigocherriolide E (**2**)

Figure S9 – ¹³C-NMR spectrum (CDCl₃, 150 MHz) of trigocherriolide E (**2**)

Figure S10 – HSQC spectrum (CDCl₃, 600 MHz) of trigocherriolide E (**2**)

Figure S11 – COSY spectrum (CDCl₃, 600 MHz) of trigocherriolide E (**2**)

Figure S12 – HMBC spectrum (CDCl₃, 600 MHz) of trigocherriolide E (**2**)

Figure S13 – ROESY spectrum (CDCl₃, 600 MHz) of trigocherriolide E (**2**)

Figure S14 – HR-ESIMS spectrum of trigocherriolide E (**2**)

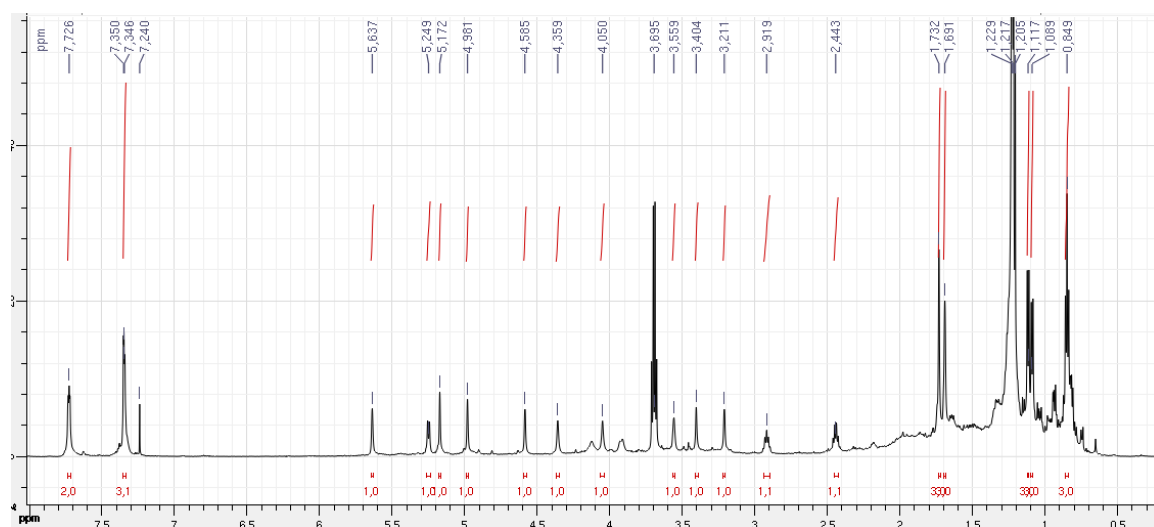
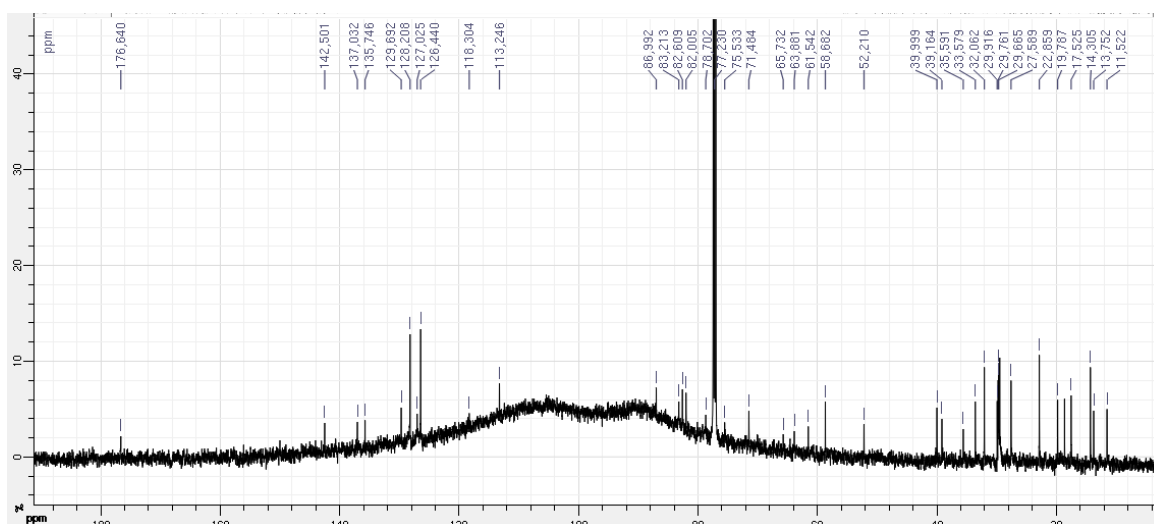
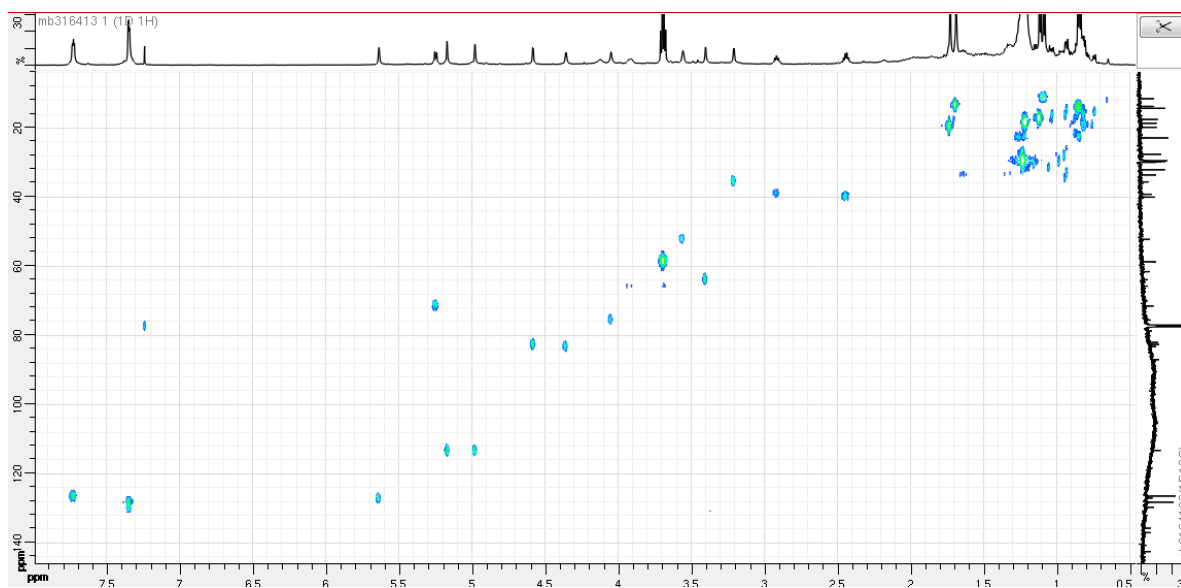
Figure S1. $^1\text{H-NMR}$ spectrum (CDCl_3 , 600 MHz) of trigocherrierin A (1).**Figure S2.** $^{13}\text{C-NMR}$ spectrum (CDCl_3 , 150 MHz) of trigocherrierin A (1).**Figure S3.** HSQC spectrum (CDCl_3 , 600 MHz) of trigocherrierin A (1).

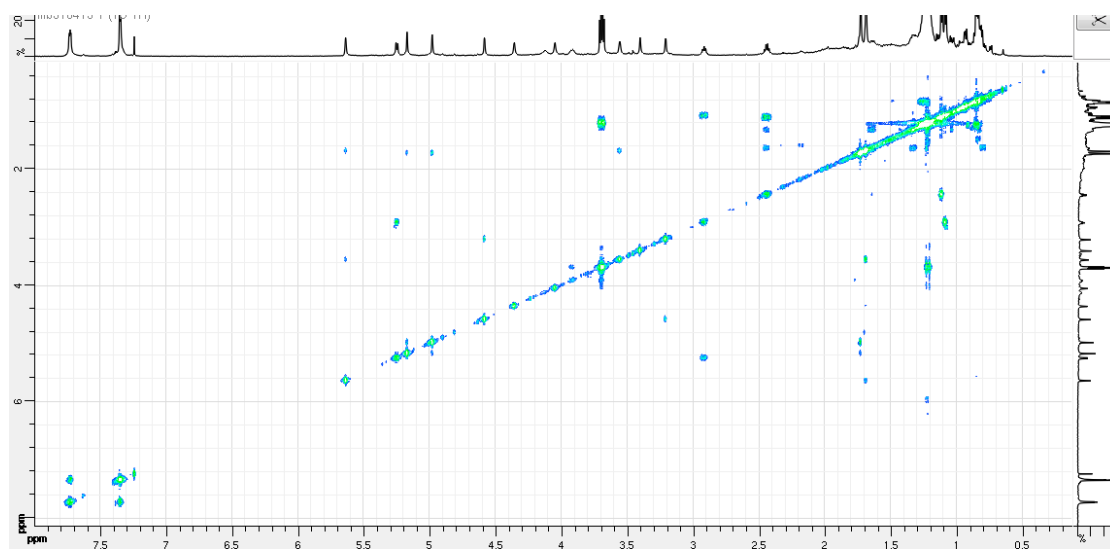
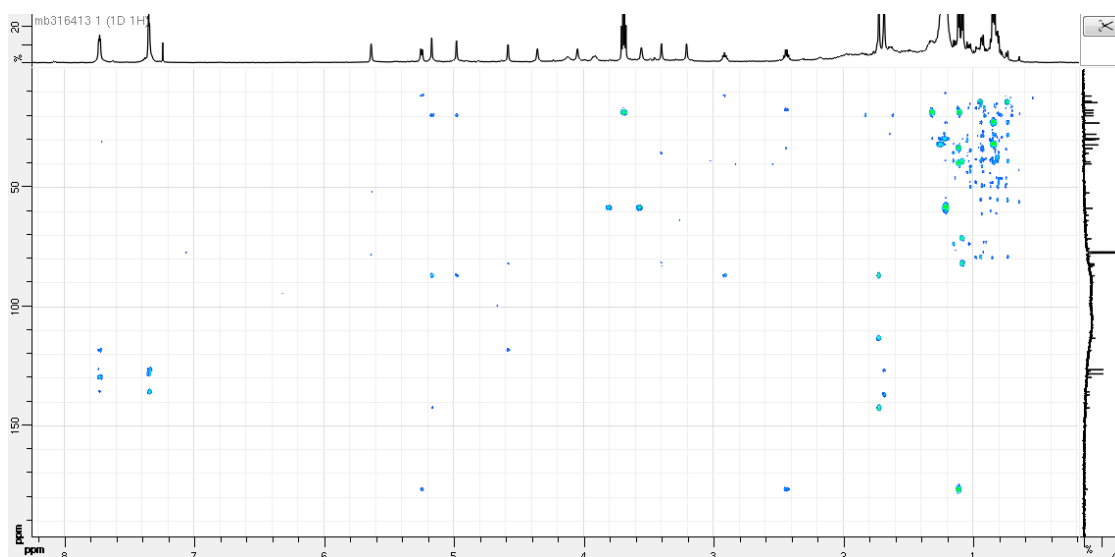
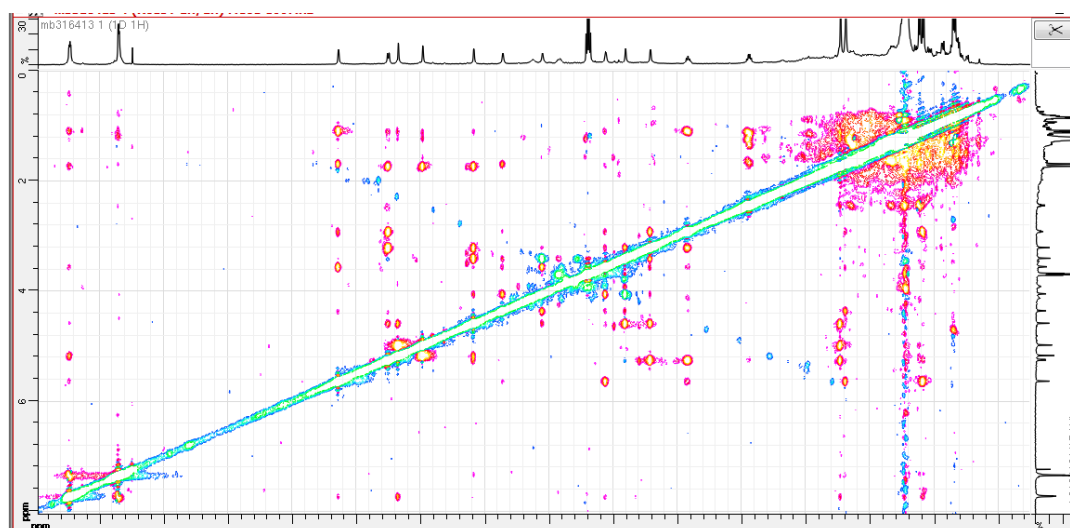
Figure S4. COSY spectrum (CDCl₃, 600 MHz) of trigocherrierin A (**1**).**Figure S5.** HMBC spectrum (CDCl₃, 600 MHz) of trigocherrierin A (**1**).**Figure S6.** ROESY spectrum (CDCl₃, 600 MHz) of trigocherrierin A (**1**).

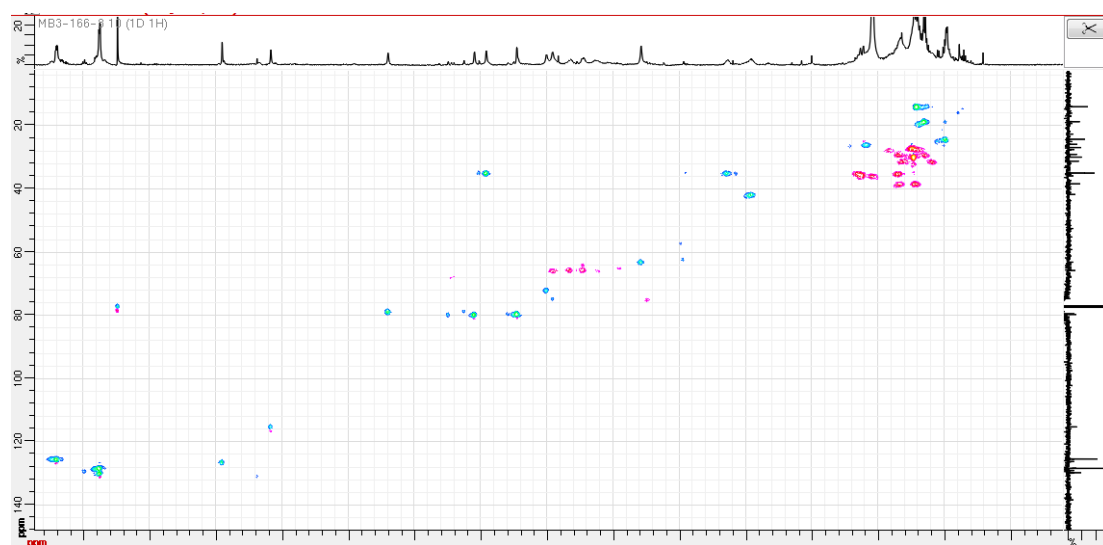
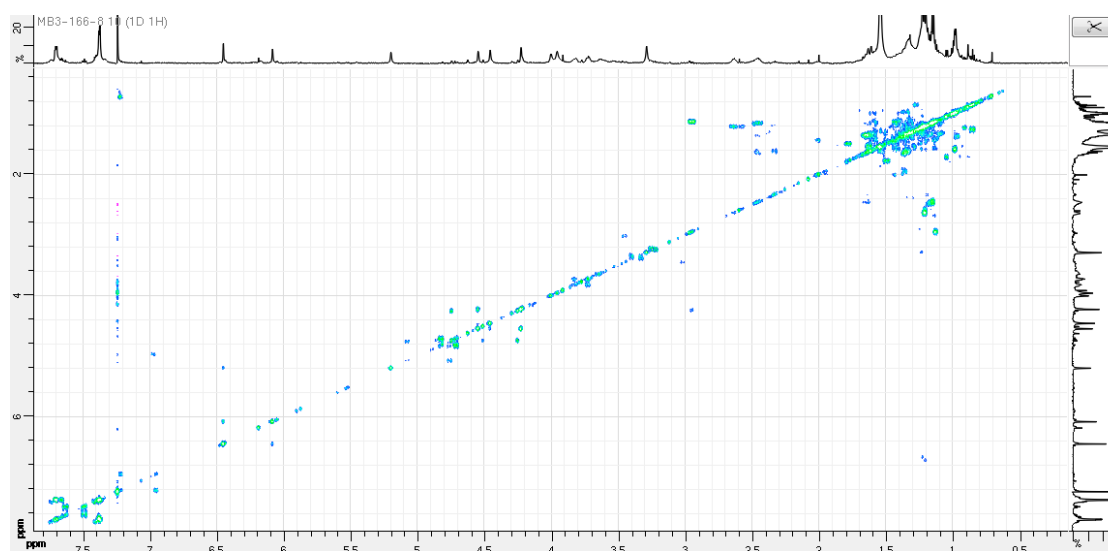
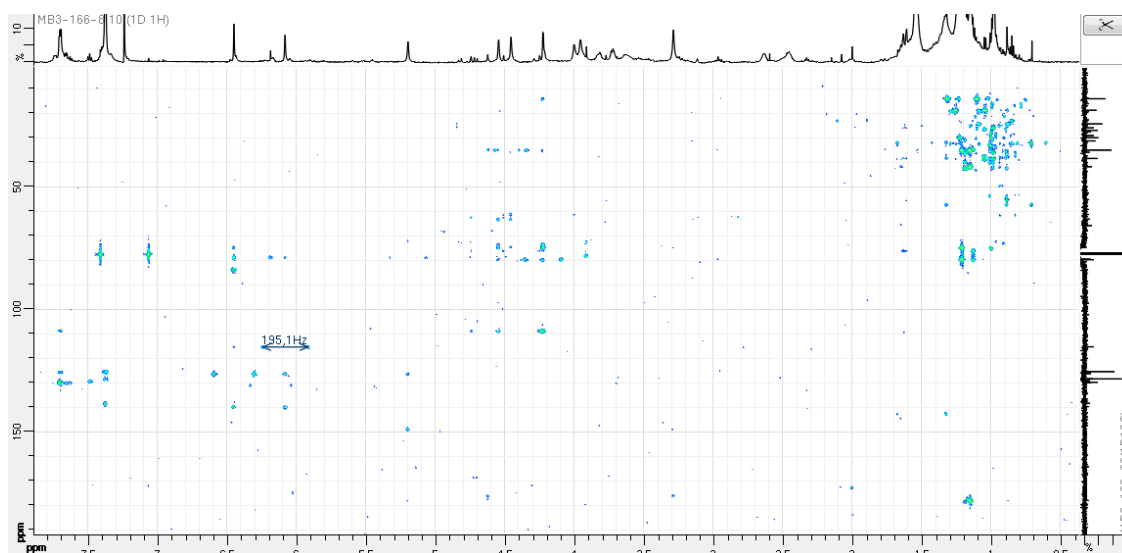
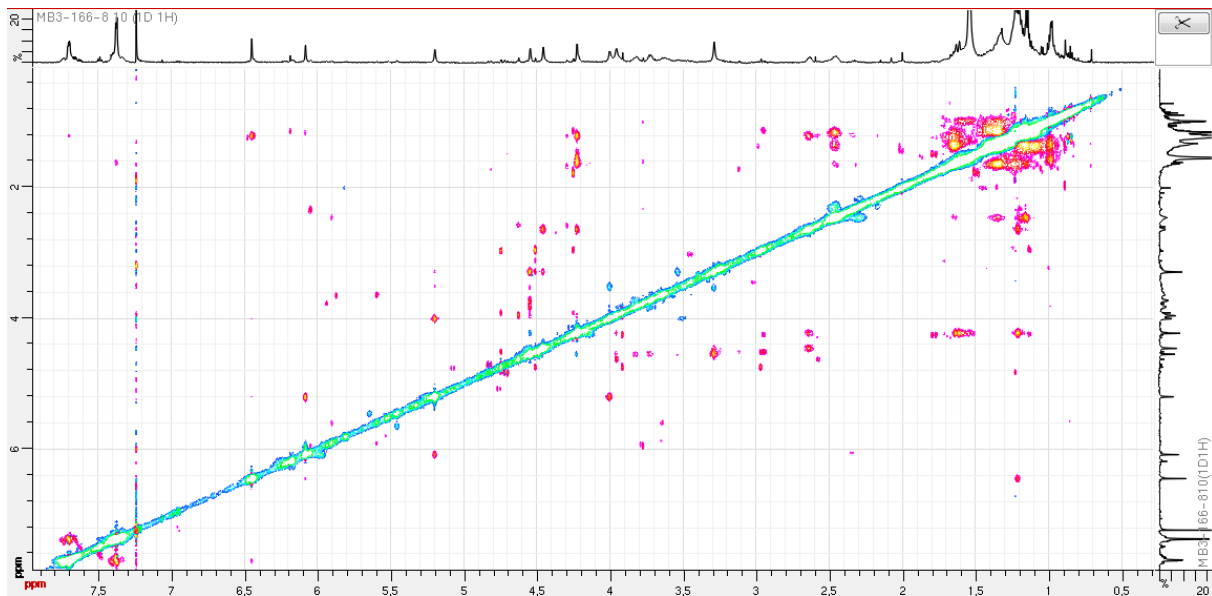
Figure S10. HSQC spectrum (CDCl₃, 600 MHz) of trigocherriolide E (2).**Figure S11.** COSY spectrum (CDCl₃, 600 MHz) of trigocherriolide E (2).**Figure S12.** HMBC spectrum (CDCl₃, 600 MHz) of trigocherriolide E (2).

Figure S13. ROESY spectrum (CDCl₃, 600 MHz) of trigocherriolide E (2).**Figure S14.** HR-ESIMS spectrum of trigocherriolide E (2).

Elemental Composition Report

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Single Mass Analysis

Tolerance = 5.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 9

HR-ESIMS (M+H)⁺ of Trigocherriolide E

Monoisotopic Mass, Even Electron Ions

24 formula(e) evaluated with 1 results within limits (all results (up to 1000) for each mass)

Elements Used:

C: 0-40 H: 10-120 O: 0-12 Cl: 1-1

27-Feb-2012 10:34:22

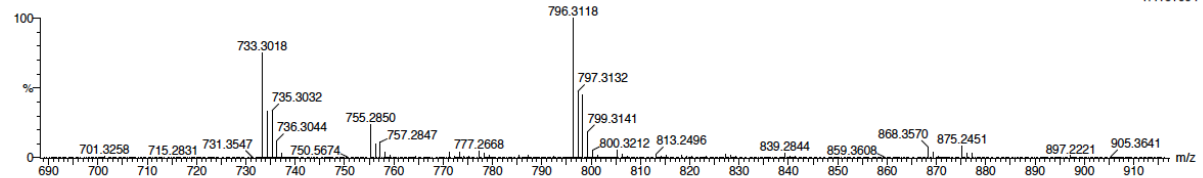
GUE_MB3-166-8 23 (0.607) Cm (17.35)

MeOH+CH₂Cl₂

LCT Premier XE KE483

1: TOF MS ES+

1.41e+004



Minimum: -1.5
Maximum: 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	i-FIT (Norm)	Formula
733.3018	733.2991	2.7	3.7	13.5	307.4	0.0	C ₃₈ H ₅₀ O ₁₂ Cl