

L. Buzón-Durán, N. Langa-Lomba, V. González-García, J. Casanova-Gascón, E. Sánchez-Hernández, J. Martín-Gil, P. Martín-Ramos (2022). Rutin-stevioside and related conjugates for potential control of grapevine trunk diseases. *Phytopathologia Mediterranea* 61(1): 65-77. doi: 10.36253/phyto-13108

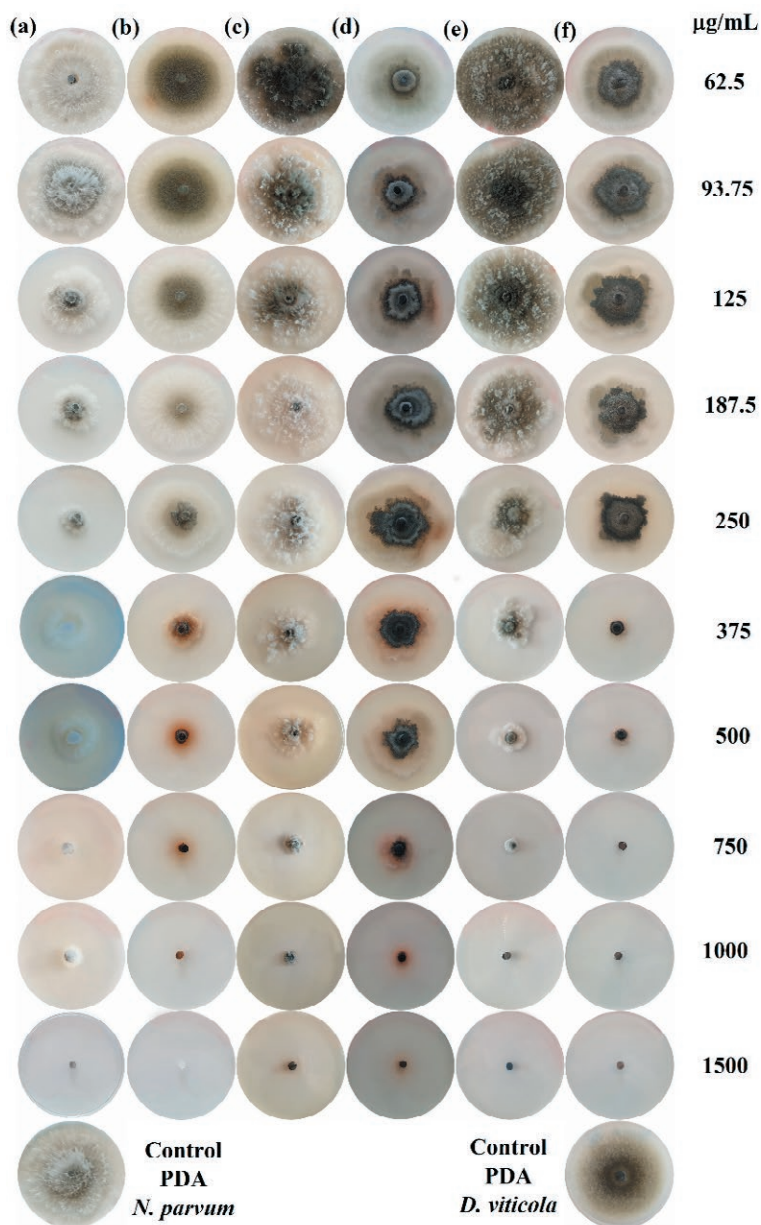


Figure S1. Mycelial growth inhibition of the two phytopathogenic fungi upon treatment with: (a,b) stevioside; (c,d) stevioside-ferulic acid conjugate complex; (e,f) stevioside-rutin conjugate complex. (a, c and e) correspond to *N. parvum*, and (b, d, f) to *D. viticola*. Only one replicate is shown.

Table S1. Summary of multiple pairwise comparisons using Tukey's HSD test for each concentration. The same letters next to the radial growth of the mycelium (average values expressed in mm) indicate that the treatment*pathogen combinations are not significantly different at $p < 0.05$.

Treatment*Pathogen	Concentration ($\mu\text{g}\cdot\text{mL}^{-1}$)									
	62.5	93.75	125	187.5	250	375	500	750	1000	1500
Control	75.0 a	75.0 a	75.0 ab	75.0 a	75.0 a	75.0 a	75.0 a	75.0 a	75.0 a	75.0 a
Stevioside* <i>N. parvum</i>	75.0 a	64.0 d	43.0 g	30.0 f	20.3 h	13.0 h	11.0 g	10.3 ef	5.0 f	0.0 e
Stevioside* <i>D. viticola</i>	75.0 a	75.0 a	72.7 b	61.0 cd	55.7 c	27.7 g	11.3 fg	10.3 ef	7.7 e	0.0 e
Rutin* <i>N. parvum</i>	75.0 a	75.0 a	73.7 ab	72.7 a	72.3 a	70.3 b	54.0 b	26.0 d	15.0 d	1.0 d
Rutin* <i>D. viticola</i>	72.7 b	71.7 b	69.3 c	65.3 b	51.7 d	46.3 e	45.6 c	12.3 e	5.3 f	0.0 e
Ferulic acid* <i>N. parvum</i>	75.0 a	75.0 a	75.0 a	75.0 a	75.0 a	75.0 a	75.0 a	59.0 b	54.0 b	27.3 b
Ferulic acid* <i>D. viticola</i>	68.3 d	65.3 cd	60.0 f	59.7 d	59.0 b	54.7 c	54.7 b	54.3 c	49.0 c	19.7 c
Stevioside+rutin* <i>N. parvum</i>	75.0 a	73.0 b	72.3 b	63.3 bc	41.0 e	33.0 f	13.3 f	4.7 g	1.0 g	0.0 e
Stevioside+rutin* <i>D. viticola</i>	71.7 bc	64.3 d	61.0 ef	54.7 e	33.7 g	10.3 i	9.7 g	0.0 h	0.0 g	0.0 e
Stevioside+ferulic acid* <i>N. parvum</i>	70.0 cd	66.7 c	62.7 de	58.3 d	36.7 f	35.3 f	32.6 e	10.0 f	7.6 e	0.0 e
Stevioside+ferulic acid* <i>D. viticola</i>	69.7 d	64.0 d	63.7 d	59.3 d	54.7 c	49.7 d	42.3 d	25.3 d	0.0 g	0.0 e

Table S2. Kruskal-Wallis test and multiple pairwise comparisons using the Conover-Iman procedure for the lengths of the vascular necroses in the positive controls. Pathogen*cultivar combinations labelled with the same letters are not significantly different at $p < 0.05$.

Sample	Frequency	Sum of ranks	Mean of ranks	Groups
<i>D. viticola</i> Positive control Tempranillo	32	1616.000	50.500	A
<i>N. parvum</i> Positive control Tempranillo	32	1831.000	57.219	A
<i>D. viticola</i> Positive control Garnacha	32	2299.000	71.844	A
<i>N. parvum</i> Positive control Garnacha	32	2510.000	78.438	B