

Table S1. Current knowledge about the main compounds ($\geq 2\%$) detected in the essential oils extracted from different plant parts of *Ridolfia segetum*.

Parts	Method	Origin	Main compounds (%)	Reference
Aerial parts	HD (diff. times dist. 1-30 h)	Lazio, Italy	dillapiole (69.9-6.5), <i>o</i> -cymene (40.1-3.8), α -phellandrene (16.7-0), <i>p</i> -cymen-8-ol (13.4-3.0), <i>cis</i> -sabinol (12.9-0), 2,3-pinandediol (10.7-0), <i>p</i> -menth-1(7)-en-2-one (9.7-0), limonene (7.4-0), piperitenone oxide (6.5-1.0), cryptone (6.2-0), terpinolene (5.6-0), β -terpinene (4.9-0.2), β -pinene (4.6-0), borneol (4.2-0), α -pinene (3.9-0), myristicin (3.2-0), pulegone (2.6-0)	[60]
Flowers	SFE	Sardinia, Italy	terpinolene (20.5), α -phellandrene (19.4), piperitenone oxide (11.6), β -phellandrene (8.2), (<i>Z</i>)- β -ocimene (7.8), myristicin (7.5), <i>p</i> -cymene (4.4), <i>m</i> -cymen-8-ol (2.0)	[56]
Flowers	HD	Sardinia, Italy	α -phellandrene (24.7), terpinolene (19.9), myristicin (13.6), β -phellandrene (11.0), (<i>Z</i>)- β -ocimene (7.3), <i>p</i> -cymene (5.2), piperitenone oxide (3.0), α -pinene (2.9), β -pinene (2.9)	[56]
Stems	SFE	Sardinia, Italy	α -phellandrene (12.9), terpinolene (11.6), myristicin (11.0), <i>p</i> -cymene (9.9), β -phellandrene (7.6), (<i>Z</i>)- β -ocimene (6.0), <i>m</i> -cymen-8-ol (5.0), piperitenone oxide (3.0)	[56]
Fruits	SFE	Sardinia, Italy	myristicin (70.8), piperitenone oxide (19.9), dillapiole (4.2)	[56]
Aerial parts	HD	Sardinia, Italy	α -phellandrene (53.3), terpinolene (20.5), β -phellandrene (9.1), dillapiole (3.9), α -pinene (3.2), β -pinene (2.8), (<i>Z</i>)- β -ocimene (2.5)	[35]
Aerial parts	HD	Sidi Morocco	α -phellandrene, myristicin	[61]
Umbella	HD	Gharb, Morocco	myristicin (70.3), γ -terpinene (8.2), α -phellandrene (6.7), <i>p</i> -cymene (4.9), β -phellandrene (2.4)	[59]
Aerial parts flow. stage	HD	Rabaçal, Portugal	α -phellandrene (63.3), terpinolene (11.9), β -phellandrene (6.0), <i>Z</i> - β -ocimene (4.0), limonene (3.5), α -pinene (2.5), dillapiole (2.0)	[30]
Aerial parts fruit. stage	HD	Rabaçal, Portugal	α -phellandrene (53.0), terpinolene (8.6), dillapiole (8.0), β -phellandrene (5.5), <i>Z</i> - β -ocimene (6.0), limonene (2.8), α -pinene (2.6), β -pinene (2.5), piperitenone oxide (2.3)	[30]
Stems	HD	Andalusia, Spain	α -phellandrene (62.0-39.4), <i>p</i> -cymene (22.7-10.4), terpinolene (15.6-7.0), (<i>Z</i>)- β -ocimene (11.7-10.2), β -phellandrene (6.9-2.9)	[57]
Leaves	HD	Andalusia, Spain	α -phellandrene (69.5-61.8), (<i>Z</i>)- β -ocimene (12.0-10.7), terpinolene (10.7-6.0), <i>p</i> -cymene (8.5-4.4), β -phellandrene (6.9-2.3), myrcene (2.1-1.4)	[57]
Flowers	HD	Andalusia, Spain	α -phellandrene (54.7-44.5), terpinolene (27.6-20.1), (<i>Z</i>)- β -ocimene (10.6-8.5), β -phellandrene (5.9-2.3), myrcene (5.3-3.3), α -pinene (4.3-2.7), <i>p</i> -cymene (2.9-1.2)	[57]
Fruits	HD	Andalusia, Spain	α -phellandrene (56.9-5.2), dillapiole (45.7-0.1), <i>p</i> -cymene (25.2-4.2), β -phellandrene (15.6-0.9), terpinolene (12.5-4.3), β -pinene (11.9-1.5),	[57]
Stems	HD	Castillia la Mancha, Spain	α -pinene (7.5-2.5), (<i>Z</i>)- β -ocimene (6.7-0), piperitone (5.6-0) <i>p</i> -cymene (79.5-15.1), (<i>Z</i>)- β -ocimene (38.5-0.9), α -phellandrene (14.4-1.1), β -phellandrene (8.8-7.9), terpinolene (6.6-3.6), γ -terpinene (6.0-0), α -pinene (3.3-2.5)	[58]
Leaves	HD	Castillia la Mancha, Spain	<i>p</i> -cymene (83.6-8.0), (<i>Z</i>)- β -ocimene (32.6-0), myrcene (12.5-0), β -pinene (12.1-2.1), α -phellandrene (9.5-0.5), β -phellandrene (9.5-2.9), γ -terpinene (5.9-0), terpinolene (4.9-0.3), α -pinene (3.0-2.9), sabinene (2.6-0.4)	[58]
Flowers	HD	Castillia la Mancha,	α -phellandrene (33.8-32.0), terpinolene (21-4-18.0), (<i>Z</i>)- β -ocimene (14.5-12.4), β -pinene (9.7-8.0), β -phellandrene (9.5-3.3), <i>p</i> -cymene	[58]

Fruits	HD	Spain Castillia la Mancha, Spain	(9.1-2.7), α -pinene (6.3-5.7), dillapiole (4.9-0.5) dillapiole (39.6-5.1), β -pinene (20.9-10.3), α -pinene (16.1-3.0), α - phellandrene (15.3-13.7), (<i>Z</i>)- β -ocimene (12.8-8.1), terpinolene (9.4- 8.3), <i>p</i> -cymene (8.4-3.5), β -phellandrene (7.2-2.5)	[58]
Flowers	HD (diff. times dist. 10-150 min)	M'saken, Tunisia	dillapiole (85.4-29.5), myristicin (31.5-6.4), β -pinene (17.0-0), <i>p</i> - cymene (10.1-0), terpinolene (9.9-0), <i>trans</i> -piperitol (9.6-0), piperitone (8.6-0), <i>cis</i> -dihydrocarvone (7.4-0), β -phellandrene (7.3- 0), α -terpineol (6.6-0), α -phellandrene (4.7-0), δ -terpineol (4.2-0), <i>p</i> - cymen-8-ol (3.6-0), borneol (3.2-0), camphene (3.1-0), α -pinene (2.0-0)	[34]
Flowers	HD	Kroussia, Tunisia	α -phellandrene (34.7), terpinolene (23.7), <i>p</i> -cymene (4.8), β - phellandrene (4.8), limonene (3.7), piperitone oxide (2.7), dillapiole (2.5), piperitone (2.4)	[32]
Leaves	HD	Kroussia, Tunisia	α -phellandrene (47.8), terpinolene (9.0), <i>p</i> -cymene (8.7), β - phellandrene (7.2), limonene (3.9), α -pinene (3.1), β -pinene (3.1)	[32]
Roots	HD	Kroussia, Tunisia	dillapiole (47.4), myristicin (19.2), α -phellandrene (3.0)	[33]

HD = Hydrodistillation; SFE = Supercritical carbon dioxide extraction.