

Phytochemical

Eschscholzia californica subsp. californica - Papaveraceae

Common names: California Poppy

Activities

Number of distinct activities for species = 305

List of chemicals

Chemical	Part	Lo ppm	Hi ppm	Reference
(-)-ALPHA-CANADINE	Root		129	23580
(-)-ALPHA-CANADINE-METHOXYHYDROXIDE	Root		129	23579 HHB
(-)-CARYACHINE	Shoot			23595
(-)-NORARGEMONINE	Root		50	23609
10-HYDROXYCHELERYTHRINE	Tissue Culture		4	23582
10-HYDROXYSANGUINARINE	Tissue Culture		50.5	23582
12-HYDROXYCHELIRUBINE	Tissue Culture		137	23582
2',4'-DIHYDROXY-7-METHOXYISOFLAVONE	Plant			23583
2'-METHOXYFORMONONETIN	Plant			23583
ALKALOIDS	Plant	600	2900	QRNM:256.1996
ALKALOIDS	Root		27000	QRNM:256.1996
ALLOCRYPTOPINE	Plant			23586
ALLOCRYPTOPINE	Shoot		260	23595 23594 23601 23607
ALLOCRYPTOPINE	Seed			23608
ALPHA-ALLOCRYPTOPINE	Root			ALK JBH
ALPHA-HOMOCHOLIDONINE	Plant			23610
ANTHERAXANTHIN	Flower			JBH
BERBERINE	Shoot			HHB
BETA-HOMOCHOLIDONINE	Plant			23610
BETA-SITOSTEROL	Plant			14077
BISNORARGEMONINE	Plant			ALK 23577

<u>BISNORARGEMONINE</u>	Shoot			<u>23595</u>
<u>BISNORARGEMONINE</u>	Root		80	<u>23609</u>
<u>CALIFORNIDINE</u>	Plant			<u>23586</u>
<u>CALIFORNIDINE</u>	Shoot		1900	<u>23595 PM57:A99</u> <u>23594 23601</u>
<u>CALIFORNIDINE</u>	Root	42	46.5	<u>23579 23580</u>
<u>CALIFORNINE</u>	Shoot		130	<u>23578 ALK 23604</u>
<u>CHELERYTHRINE</u>	Leaf			<u>ALK 19448</u>
<u>CHELERYTHRINE</u>	Shoot			<u>23594 23595 23601</u>
<u>CHELERYTHRINE</u>	Seed			<u>19448</u>
<u>CHELERYTHRINE</u>	Tissue Culture	4	100	<u>23603 23587</u>
<u>CHELERYTHRINE</u>	Plant			<u>23586 23610</u>
<u>CHELERYTHRINE</u>	Root			<u>19448</u>
<u>CHELILUTINE</u>	Root			<u>ALK</u>
<u>CHELILUTINE</u>	Tissue Culture			<u>23592</u>
<u>CHELILUTINE</u>	Shoot			<u>23595</u>
<u>CHELIRUBINE</u>	Root			<u>ALK</u>
<u>CHELIRUBINE</u>	Shoot			<u>23595</u>
<u>CHELIRUBINE</u>	Tissue Culture		11.5	<u>23582 23592 23599</u>
<u>CHOLESTROL</u>	Plant			<u>14077</u>
<u>CODEINE</u>	Plant			<u>ALK</u>
<u>COPTISINE</u>	Leaf			<u>19448</u>
<u>COPTISINE</u>	Root			<u>ALK 19448</u>
<u>COPTISINE</u>	Stem			<u>19448</u>
<u>CORYDINE</u>	Shoot			<u>23595</u>
<u>CORYTUBERINE</u>	Shoot		6	<u>23595</u>
<u>CRYPTOCAVINE</u>	Plant			<u>CRC</u>
<u>CRYPTOPINE</u>	Shoot			<u>ALK</u>
<u>DIHYDROCHELERYTHRINE</u>	Tissue Culture			<u>23582 23606</u>
<u>DIHYDROCHELILUTINE</u>	Tissue Culture			<u>23582</u>
<u>DIHYDROCHELIRUBINE</u>	Tissue Culture		19.6	<u>23582 23606</u>
<u>DIHYDROMACARPINE</u>	Tissue Culture		27	<u>23582 23598 23606</u>

<u>DIHYDROSANGUINARINE</u>	Plant			JBH
<u>DIHYDROSANGUINARINE</u>	Tissue Culture		4.3	23582 23606
<u>DL-CHEILANTHIFOLINE</u>	Plant			23591
<u>ESCHOLAMIDINE</u>	Shoot		20	23595
<u>ESCHOLIDINE</u>	Root	422	791	23579 23580 HHB
<u>ESCHOLINE</u>	Root			ALK
<u>ESCHOLININE</u>	Root	116	186	23579 23580 HHB
<u>ESCHSCHOLTZIDINE</u>	Plant		11	23577 ALK
<u>ESCHSCHOLTZIDINE</u>	Root		2500	HHB
<u>ESCHSCHOLTZINE</u>	Flower		150.4	23581
<u>ESCHSCHOLTZINE</u>	Shoot		300	23595 23594 23607 23601
<u>ESCHSCHOLTZINE</u>	Plant			23586 23576
<u>ESCHSCHOLTZINE</u>	Seed			23608
<u>ESCHSCHOLTZINE-N-OXIDE</u>	Flower		203.5	23581
<u>ESCHSCHOLTZIONE</u>	Plant			23610
<u>ESCHSCHOLTZXANTHIN</u>	Plant			HHB
<u>ESCOLZINE</u>	Shoot			PM57:A99
<u>ESHOLINE</u>	Root		143	23580
<u>FAT</u>	Seed		468000	CRC
<u>FUMARIC-ACID</u>	Plant			HHB
<u>FUMARINE</u>	Plant			CRC
<u>GLAUCINE</u>	Plant			ALK
<u>HCN</u>	Root			CRC
<u>HUNNEMANINE</u>	Plant			23591
<u>IONIDINE</u>	Plant			ALK
<u>ISOCORYDINE</u>	Shoot			23595 23607
<u>LAUROSCHOLTZINE</u>	Seed			23608
<u>LAUROSCHOLTZINE</u>	Shoot			ALK
<u>MACARPINE</u>	Shoot			23595
<u>MACARPINE</u>	Tissue Culture	7	23	23582 23587 23599 23598
<u>MAGNOFLORINE</u>	Root		93	23579
<u>MAGNOFLORINE</u>	Shoot			23595
<u>MORPHINE</u>	Plant			ALK
<u>N-METHYL-LAUROTETANINE</u>	Shoot		80	23595 23601 23607
<u>NORARGEMONINE</u>	Shoot			23595

<u>NORISOARGEMONINE</u>	Shoot			<u>23595</u>
<u>NORSANGUINARINE</u>	Plant			<u>23591</u>
<u>O-MEHTYL-CARYACHINE</u>	Shoot			<u>23594</u>
<u>O-METHYL-CARATACHINE</u>	Plant			<u>23586</u>
<u>O-METHYLCARIACHINE</u>	Shoot			<u>PM57:A99</u>
<u>PROTEIN</u>	Seed		250000	<u>CRC</u>
<u>PROTOPINE</u>	Plant			<u>23586 23610</u>
<u>PROTOPINE</u>	Seed			<u>23608</u>
<u>PROTOPINE</u>	Shoot	30	150	<u>23595 23578 23594</u> <u>ALK 23601</u>
<u>PROTOPINE</u>	Root			<u>23609</u>
<u>QUERCITRIN</u>	Plant			<u>23583</u>
<u>RUTIN</u>	Flower	5000	50000	<u>CRC</u> <u>QRNM:256.1996</u> <u>14739</u>
<u>RUTIN</u>	Inflorescence			<u>20718</u>
<u>SANGUINARINE</u>	Leaf			<u>19448</u>
<u>SANGUINARINE</u>	Seed			<u>19448</u>
<u>SANGUINARINE</u>	Plant			<u>23586 23610</u>
<u>SANGUINARINE</u>	Root			<u>19448</u>
<u>SANGUINARINE</u>	Shoot			<u>PM57:A99 23594</u> <u>23601 23595</u>
<u>SANGUINARINE</u>	Tissue Culture	1.4	60	<u>23603 23587 23582</u> <u>23599</u>
<u>SANGUINARINE</u>	Stem			<u>19448</u>
<u>SANGUIRITRINE</u>	Root			<u>23596</u>
<u>SUCCINIC-ACID</u>	Root			<u>CRC</u>
<u>TRIGLOCHININ</u>	Leaf			<u>23605</u>
<u>VIOLAXANTHIN</u>	Flower			<u>HHB JBH</u>
<u>XANTHOPHYLL</u>	Plant			<u>HHB</u>
<u>ZEAXANTHIN</u>	Plant			<u>HHB</u>