

Several characteristics of isolated substances

Table 2.

#	Names	Fluorescence in UV-light			Color of	Solubility	
		at 366 nm	+NH ₃	+KOH	crystals	good in	bad in
1	Caffeic acid	blue	light-blue	bright-blue	off-wight (grayish)	alcohols, ethyl- acetate	benzene
2	Chlorogenic acid	blue	yellow-green	yellow-green	off-wight (grayish)	alcohols, acetone	CHCl ₃ , benzene, ethers
3	Isochlorogenic acid	blue	yellow-green	yellow-green	off-wight (grayish)	alcohols, ethyl- acetate	benzene
4	Ferulic acid	blue	bright-blue	bright-blue	colorless	alcohols, ethyl- acetate	benzene
5	Umbelliferone	blue	blue	bright-blue	colorless	alcohols, CHCl ₃	benzene, ethers
6	Esculetin	blue-violet	greeny	bright-blue	colorless	alcohols	benzene, ethers
7	Esculin	blue	blue	bright-blue	colorless	alcohols	benzene, ethers
8	Scopoletin	blue	blue	bright-blue	yellowish	alcohols, CHCl ₃	benzene, ethers
9	Scopolin	blue	blue	bright-blue	yellowish	alcohols	benzene, ethers
10	Quercetin	yellow	yellow	yellow	yellow	alcohols, ethyl- acetate	benzene, ethers
11	Isoquercitrin	brown	yellow	yellow	yellow	alcohols	benzene, ethers
12	Quercetin-3-O-D-(6"-O-acetyl)-glucopyranoside	brown	yellow	yellow	yellow	alcohols	benzene, ethers
13	Rutin	brown	yellow	yellow	yellow	alcohols, water	benzene, ethers
14	Kaempferol	yellow	yellow	yellow	yellow	alcohols, ethyl- acetate	benzene, ethers
15	Kaempferol-3-O-D-glucopyranoside	brown	yellow	yellow	yellow	alcohols	benzene, ethers
16	Kaempferol-3-O-9-D-(6"-O-acetyl)-glucopyranoside	brown	yellow	yellow	yellow	alcohols	benzene, ethers
17	Kaempferol-3-O-D-rutinoside	brown	yellow	yellow	yellow	alcohols, water	benzene, ethers
18	Rhamnetin	yellow	yellow	yellow	yellow	alcohols, ethyl- acetate	benzene, ethers
19	Rhamnetin-3-O-D-rutinoside	brown	yellow	yellow	yellow	alcohols, water	benzene, ethers
20	Isorhamnetin	yellow	yellow	yellow	yellow	alcohols, ethyl- acetate	benzene, ethers
21	Isorhamnetin-3-O-D-glucopyranoside	brown	yellow	yellow	yellow	alcohols	benzene, ethers
22	Isorhamnetin-3-O-D-(6"-O-acetyl)-glucopyranoside	brown	yellow	yellow	yellow	alcohols	benzene, ethers
23	Isorhamnetin-3-O-D-rutinoside	brown	yellow	yellow	yellow	alcohols, water	benzene, ethers
24	Oleanolic acid (3-beta-hydroxyolean-12-en-28-oic acid)	colorless	colorless	colorless	colorless	alcohols	water