

1: R_1=R_2=R_4=R_8=**OH**, R_3=R_5=R_6=R_7=R_9=R_{10}=**H**

2: R_1=R_2=R_8=**OH**, R_4=**CH_3**, R_3=R_5=R_6=R_7=R_9=R_{10}=**H**

3: R_1=**OCH_3**, R_2=R_4=R_8=**OH**, R_3=R_5=**CH_3**, R_6=R_7=R_9=R_{10}=**H**

4: R_1=R_2=R_4=R_7=**OH**, R_8=**OCH_3**, R_3=R_5=R_6=R_7=R_9=R_{10}=**H**

5: R_1= **OH**, R_3=**OCH_3**, R_2=R_4=R_5=R_6=R_7=R_8=R_9=R_{10}=**H**

6: R_1=R_8**=OH**, R_3=**CH_3**, R_2=R_4=R_5=R_6=R_7=R_9=R_{10}=**H**

7: R_1=R_7=R_8**=OH**, R_3=**CH_3**, R_2=R_4=R_5=R_6=R_9=R_{10}=**H**

8: R_1=R_2=R_4=R_7=R_8**=OH**, R_3=**OCH_3**, R_5=R_6=R_9=R_{10}=**H**

9: R_1=R_2=R_8**=OH**, R_4=**OCH_3**, R_3**=**R_5=R_6=R_7=R_9=R_{10}=**H**

10: R_1=**OCH_3**, R_2=R_4=R_7=R_8**=OH**, R_3**=**R_5=R_6=R_9=R_{10}=**H**

11: R_1=R_7=R_8**=OCH_3**, R_1=R_4**=OH**, R_3=**OCH_3**, R_5=R_6=R_9=R_{10}=**H**

12: R_1=R_4=R_9**=OCH_3**, R_2=R_8**=OH**, R_3=**CH_3**, R_5=R_6=R_7=R_{10}=**H**

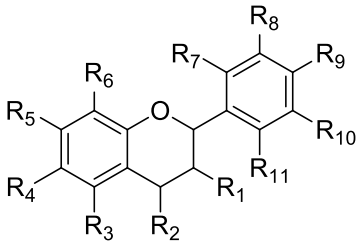
13: R_1=R_4=**OCH_3**, R_2=R_8=R_9**=OH**, R_3=**CH_3**, R_5=R_6=R_7=R_{10}=**H**

14: R_1=**OCH_3**, R_2=R_4=R_8=R_9**=OH**, R_3=R_5=**CH_3**, R_6=R_7=R_{10}=**H**

15: R_1=R_3=**CH_3**, R_2=R_4=R_8**=OH**, R_5=**OCH_3**, R_6=R_7=R_9=R_{10}=**H**

16: R_1=**OCH_3**, R_2=R_4=R_8**=OH**, R_3**=**R_5=**CH_3**, R_6=R_7=R_9=R_{10}=**H**

17: R_1=R_2=R_8**=OH**, R_3=R_5**=CH_3**, R_4=**OCH_3**, R_6=R_7=R_9=R_{10}=**H**



18=19: R_1=R_3=R_5=R_8=R_9=**OH**, R_2=R_4=R_6=R_7=R_{10}=R_{11}=**H**

20: R_1=R_5=R_8=R_9=**OH**, R_2=R_6=R_7=R_{10}=R_{11}=**H**, R_3=**OCH_3**, R_4=**CH_3**

21: R_1=R_5=R_8=R_9=**OH**, R_2=R_4=R_6=R_7=R_{10}=R_{11}=**H**, R_3=**OCH_3**

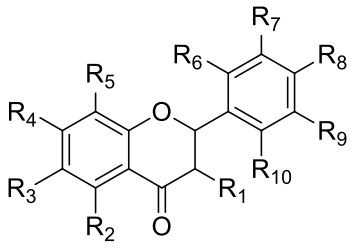
22: R_1=R_5=R_8=R_9=**OH**, R_2=R_6=R_7=R_{10}=R_{11}=**H**, R_3=**OCH_3**, R_4=**CH_3**

23: R_1=R_3=R_5=R_9=**OH**, R_2=R_4=R_6=R_7=R_8=R_{10}=R_{11}=**H**

24: R_1=R_5=R_8=R_9=**OH**, R_2=R_3=R_4=R_6=R_7=R_{10}=R_{11}=**H**

25: R_1=R_2=R_3=R_4=R_6=R_7=R_8=R_{10}=R_{11}=**H**, R_5=R_9=**OH**

26: R_1=R_5=R_8=R_9=**OH**, R_2=R_6=R_7=R_{10}=R_{11}=**OH**, R_3=**OCH_3**, R_4=**CH_3**



27: R_1=R_2=R_4=R_8=**OH**, R_3=R_5=R_6=R_7=R_9=R_{10}=**H**

28: R_1=R_2=R_4=R_7=R_8=**OH**, R_3=R_5=R_6=R_7=R_9=R_{10}=**H**

29: R_1=R_2=R_8=**OH**, R_3=**CH_3**, R_3=**OCH_3**, R_5=R_6=R_7=R_9=R_{10}=**H**

30: R_1=R_4=R_8=**OH**, R_2=R_3=R_5=R_6=R_7=R_9=R_{10}=**H**

31: R_1=R_2=R_4=R_7=R_8=**OH**, R_3=**$CH_2COCH_2CH_3$**, R_5=R_6=R_9=R_{10}=**H**

32: R_1=R_3=R_5=R_6=R_7=R_9=R_{10}=**H**, R_2=R_4=R_8=**OH**

33: R_1=R_3=R_5=R_6=R_9=R_{10}=**H**, R_2=R_4=R_8=**OH**, R_7=**OCH_3**

34: R_1=R_5=R_6=R_9=R_{10}=**H**, R_2=R_4=R_8=**OH**, R_3=**CH_3**, R_7=**OCH_3**

35: R_1=R_2=R_3=R_5=R_6=R_9=R_{10}=**H**, R_4=R_7=R_8=**OH**

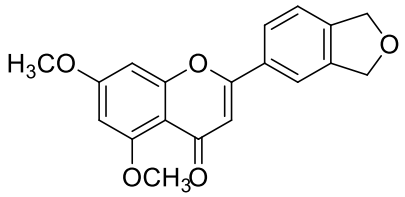
36: R_1=R_3=R_5=R_6=R_7=R_9=R_{10}=**H**, R_4=R_8=**OH**

38: R_1=R_3=R_5=R_6=R_7=R_9=R_{10}=**H**, R_2=R_4=R_8=**OCH_3**

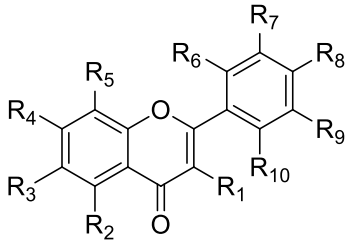
39: R_1=R_3=R_5=R_6=R_9=R_{10}=**H**, R_2=R_4=R_7=R_8=**OH**

40: R_1=R_5=R_6=R_8=R_{10}=**H**, R_2=R_4=R_7=R_9=**OH**, R_3=**CH_3**

41: R_1=R_6=R_7=R_9=R_{10}=**H**, R_2=R_4=R_8=**OH**, R_3=R_5=**CH_3**



37



42: R_1=R_3=R_5=R_6=R_7=R_8=R_9=R_{10}**=H**, R_2=R_4=**OH**

43: R_1=**OCH_3**, R_2=R_4**=OH**, R_3**=**R_5=**CH_3**, R_6=R_7=R_8=R_9=R_{10}=**H**

44: R_1=R_3=R_5=R_6=R_7= R_{10}**=H**, R_2=R_4=R_9=**OH**, R_8=**OCH_3**

45: R_1=**OCH_3**, R_2=R_3=R_5=R_6=R_9=R_{10}**=H**, R_4=R_7=R_8=**OH**

46: R_1=**OCH_3**, R_2=R_4=R_7=R_8=**OH**, R_3=R_5=R_6=R_9=R_{10}=**H**

47: R_1=R_2=R_4=R_8**=OH**, R_3=R_5=R_6=R_9=R_{10}**=H**, R_7**=**OCH_3

48: R_1=R_2=R_8**=OH**, R_3=R_5**=**CH_3, R_4=**OCH_3**, R_6=R_7=R_9=R_{10}**=H**

49: R_1=R_2=R_4=R_7=R_8**=OH**, R_3=R_5=R_6=R_9=R_{10}**=H**

50: R_1=R_5=R_6=R_7=R_8=R_9=R_{10}**=H**, R_2=R_4**=OH**, R_3**=**CH_3

51: R_1=**OCH_3**, R_2=R_4=**OH**, R_3=R_5=C**H_3**, R_6=R_7=R_8=R_9=R_{10}=**H**

52: R_1=**OCH_3**, R_2=R_4=R_8=R_9=**OH**, R_3=R_5=R_6=R_7=R_{10}=**H**

53: R_1=R_3=R_5=R_6=R_9=R_{10}=**H**, R_2=R_4=R_7=R_8=**OH**

54: R_1=R_2=R_3=R_5=R_6=R_9=R_{10}=**H**, R_4=R_7=R_8=**OH**

55: R_1=R_5=R_6=R_{10}=**H**, R_2=R_3=R_4=R_7=R_8=R_9=**OCH_3**

56: R_1=R_2=R_4=R_8=**H**, R_3=R_5=R_6=R_7=R_9=R_{10}=**H**

57: R_1=R_3=R_5=R_6=R_{10}=**H**, R_2=R_4=R_7=R_8=R_9=**OCH_3**

58: R_1=R_3=R_5=R_6=R_{10}=**H**, R_2=R_4=R_7=R_9=**OCH_3,** R_8=**OH**

59: R_1=R_3=R_5=R_6=R_7=R_9=R_{10}=**H**, R_2=R_4=R_8=**OH**

60: R_1=R_3=R_6=R_7=R_{10}=**H**, R_2=R_4=R_5=R_8=R_9=**OCH_3**

63: R_1=R_5=R_6=R_7=R_{10}=**H**, R_2=R_3=R_4=R_8=R_9=**OCH_3**

64: R_1=R_3=R_5=R_6=R_7=R_{10}=**H**, R_1=R_2=R_4=R_8=R_9=**OCH_3**

65: R_1=R_3=R_5=R_6=R_9=**H**, R_2=R_4=R_7=R_8=**OH**, R_{10}=**OCH_3**

66: R_1=R_2=R_4=R_8=R_{10}=**OH**, R_3=R_5=R_6=R_7=R_9=**H**

67: R_1=R_3=R_4=R_5=R_6=R_7=R_8=R_9=R_{10}=**H**, R_2=**OH**

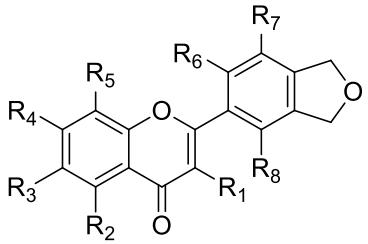
68 R_1=R_4=R_7=R_8=**OH**, R_2=R_3=R_5=R_6=R_9=R_{10}=**H**

69: R_1=R_2=R_3=R_5=R_6=R_7=R_9=R_{10}=**H**, R_4=R_8=**OH**

70=71: R_1=R_5=R_6=R_{10}=**H**, R_2=R_3=R_4=R_7=R_8=R_9=**OCH_3**

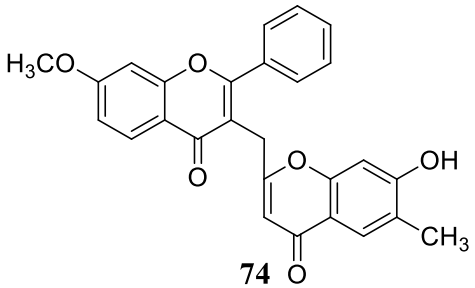
72: R_1=R_2=R_4=R_7=R_8=R_9=**OH**, R_3=R_5=R_6=R_{10}=**H**

73: R_1=R_2=R_4=R_8=**OH**, R_3=R_5=R_6=R_9=R_{10}=**H**, R_7=**OCH_3**

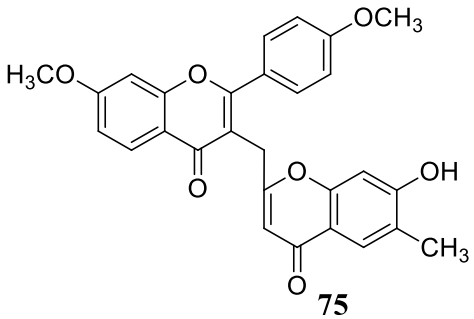


61: R_1=R_5=R_6=R_8=**H**, R_1=R_2=R_3=R_4=R_7=**OCH_3**

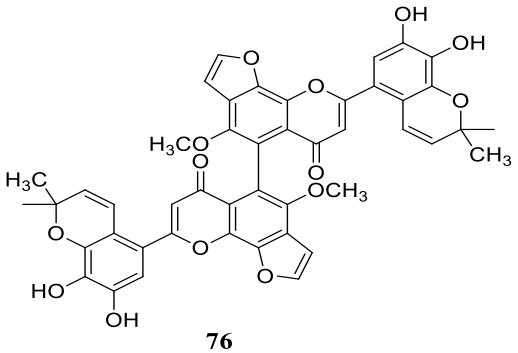
62: R_1=R_3=R_5=R_6=R_8=**H**, R_2=R_4=R_7=**OCH_3**



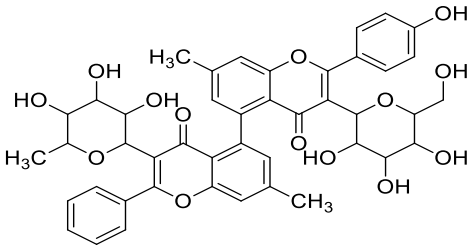
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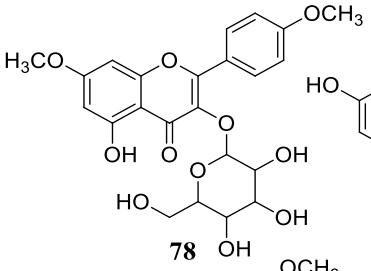
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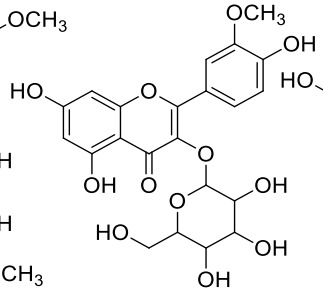
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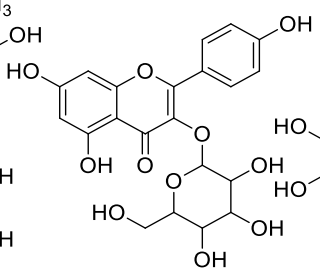
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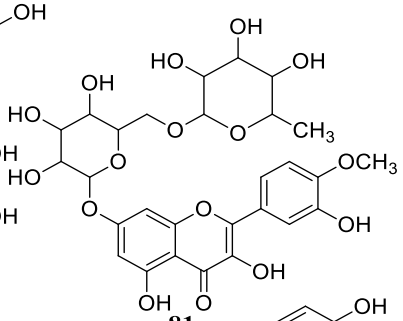
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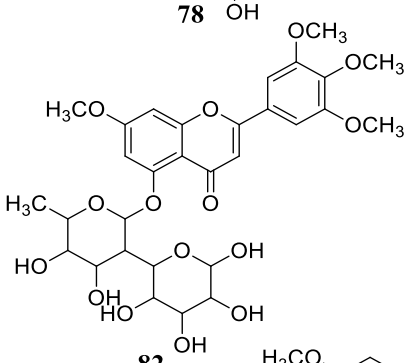
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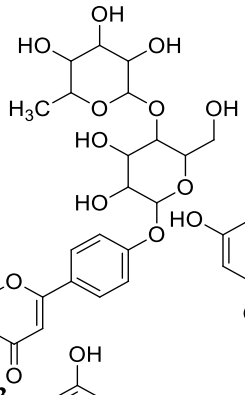
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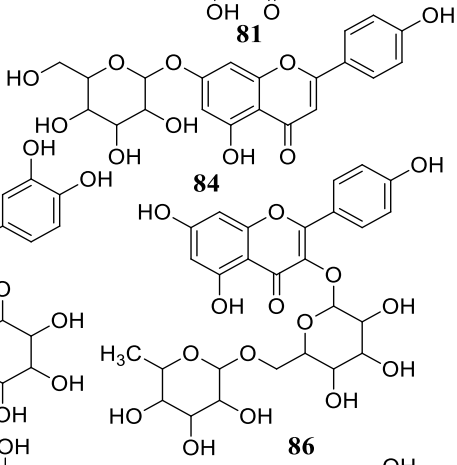
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82



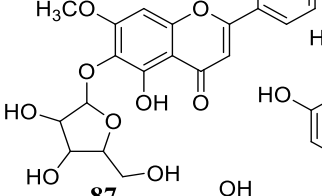
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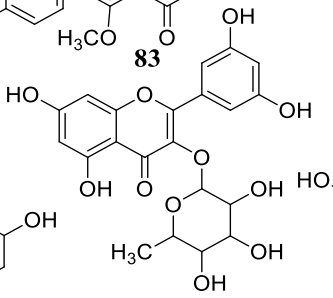
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85

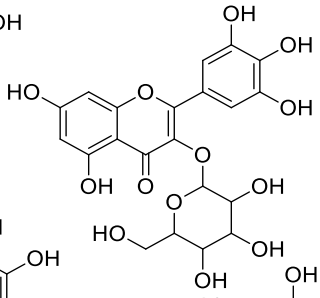
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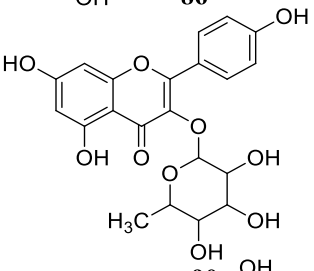
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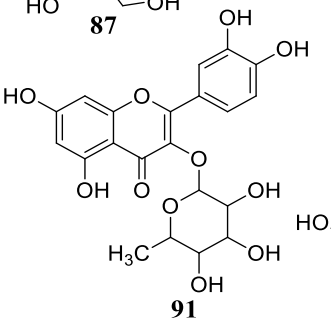
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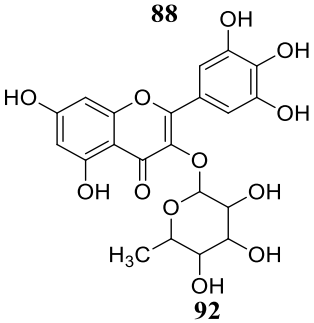
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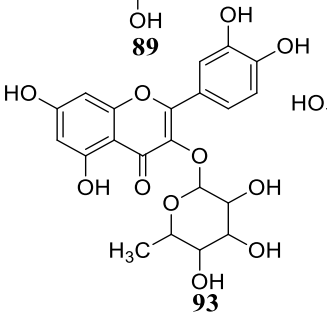
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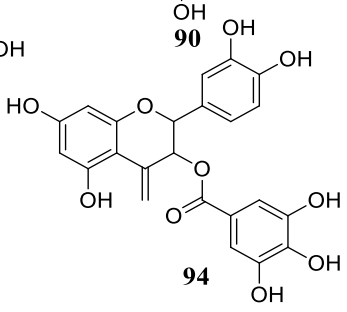
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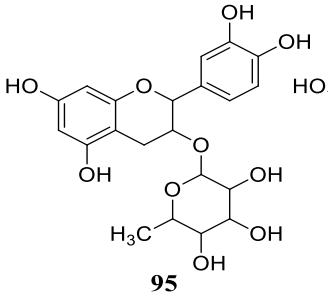
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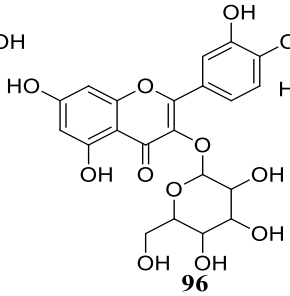
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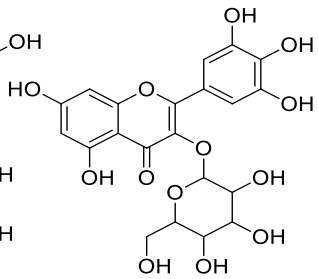
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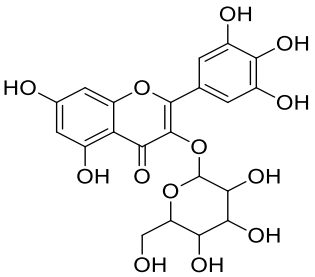
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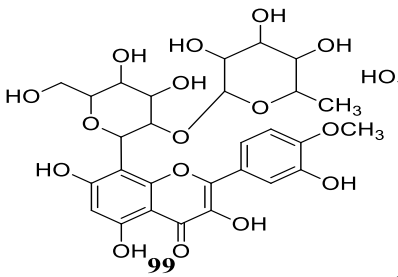
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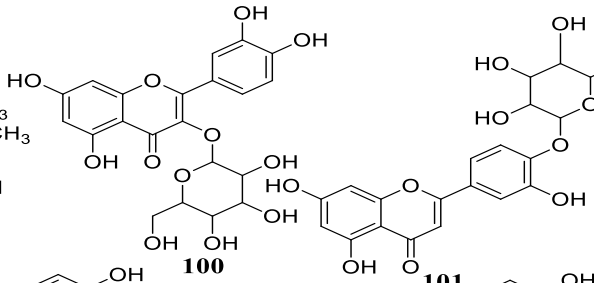
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98

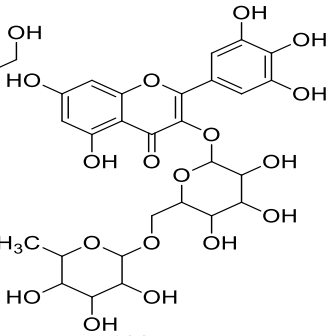


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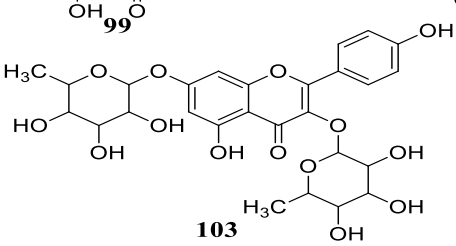


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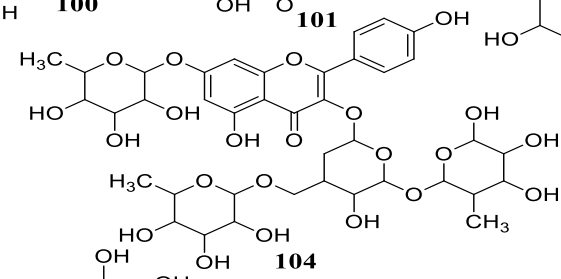
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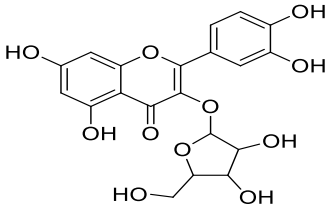
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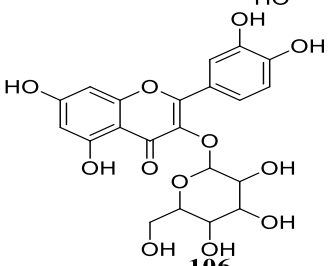
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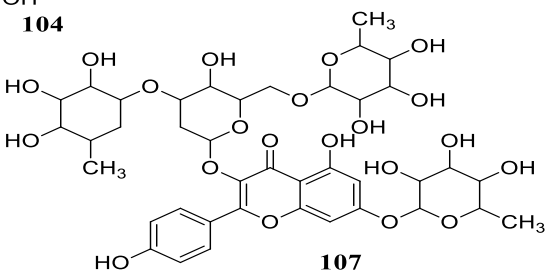
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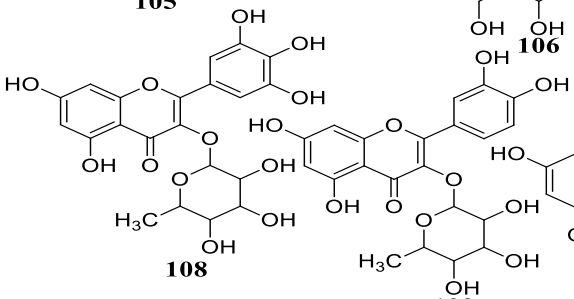
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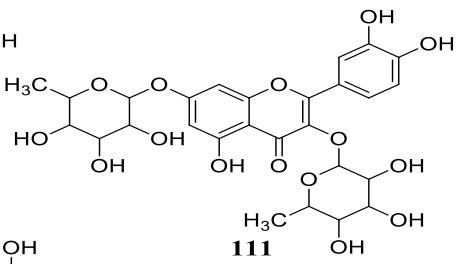
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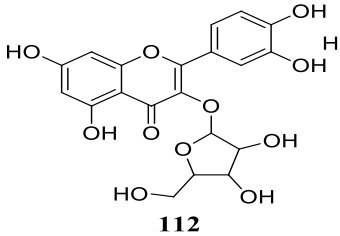
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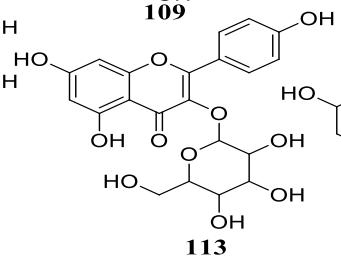
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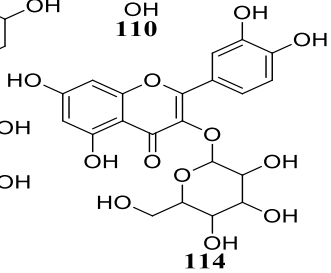
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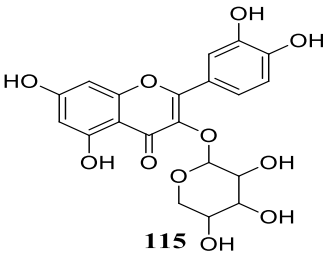
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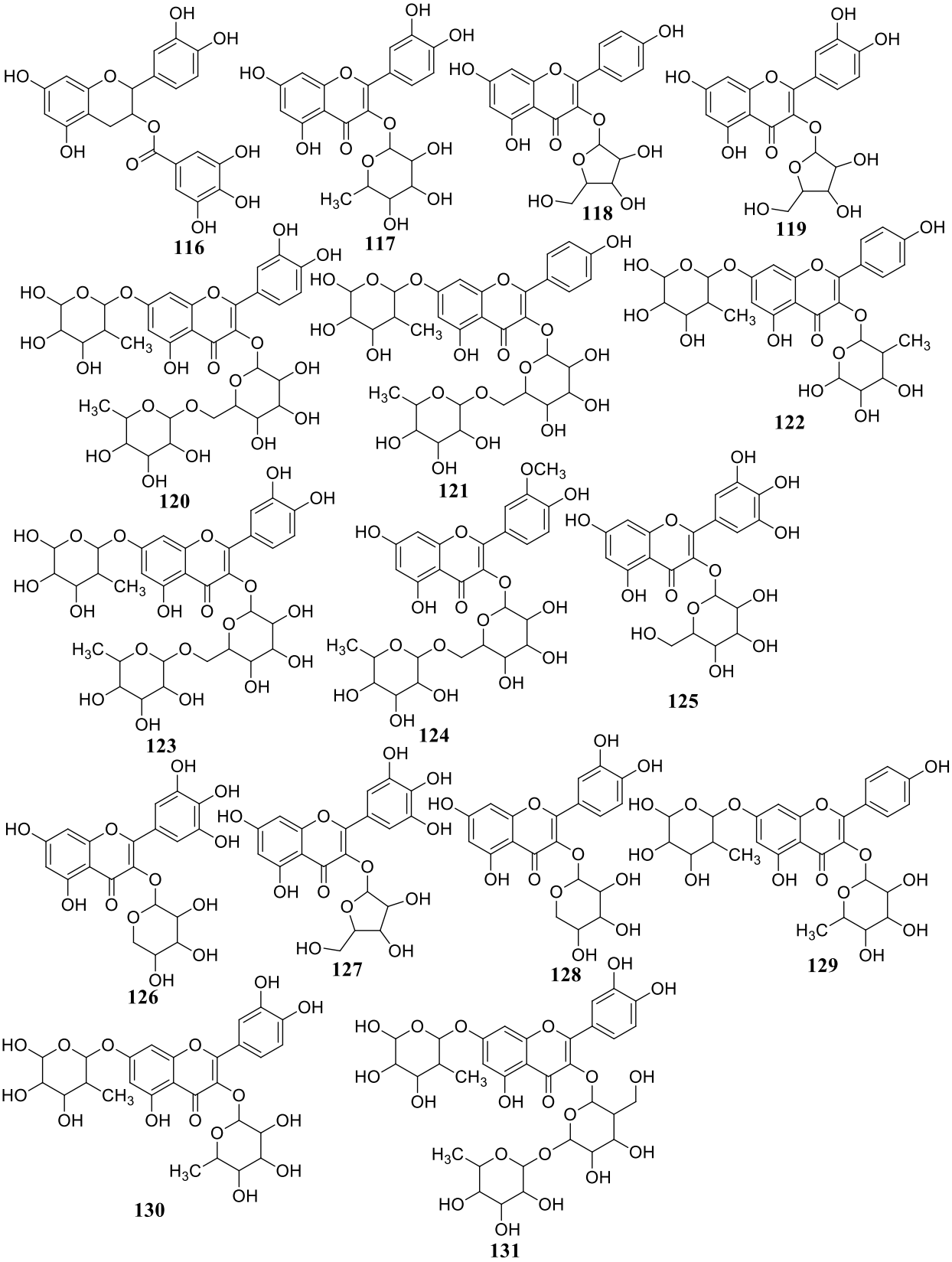
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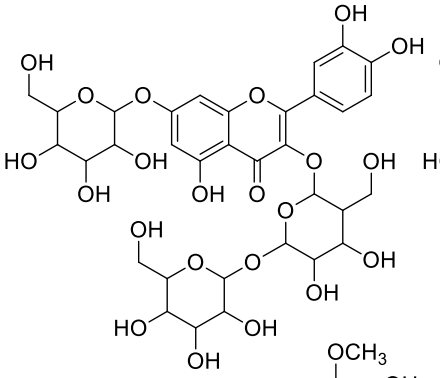


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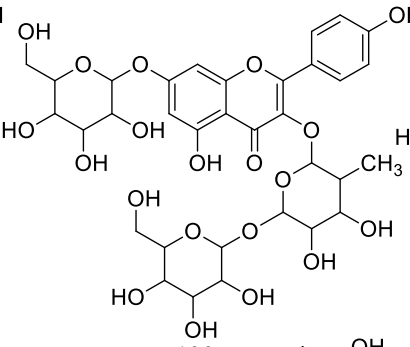


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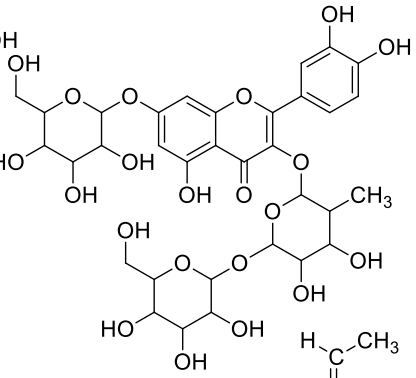

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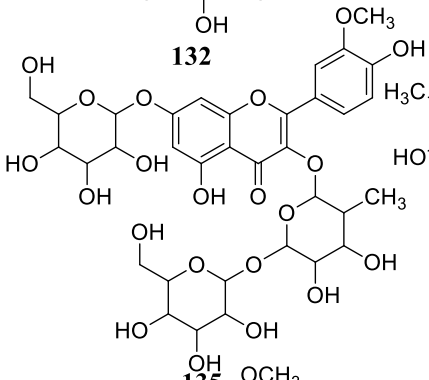
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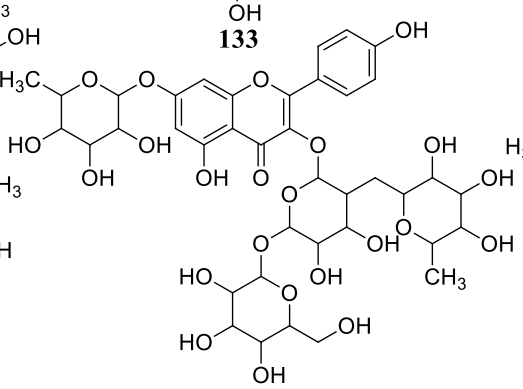
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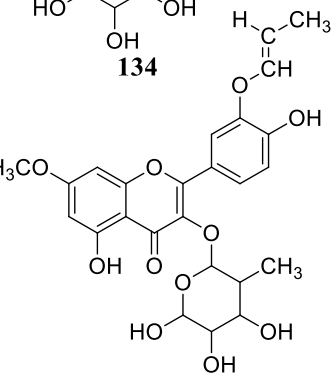
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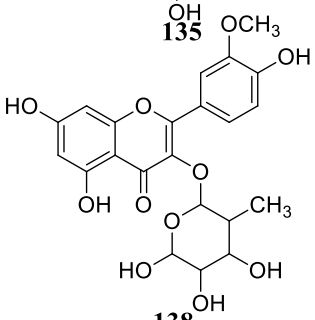
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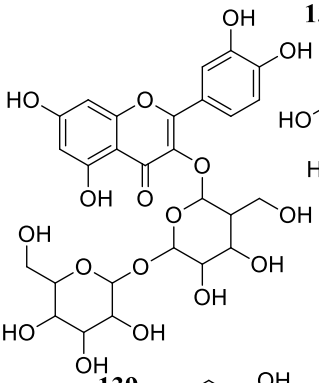
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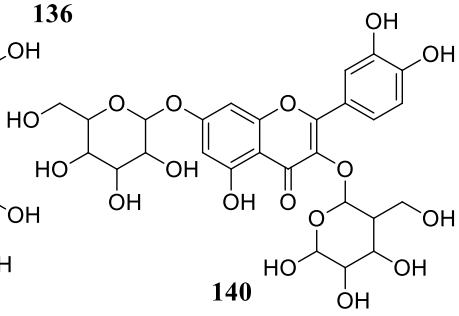
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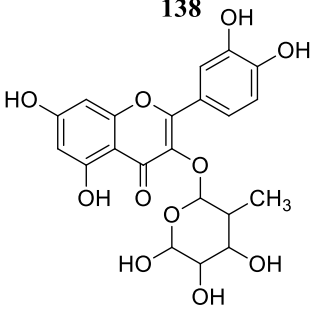
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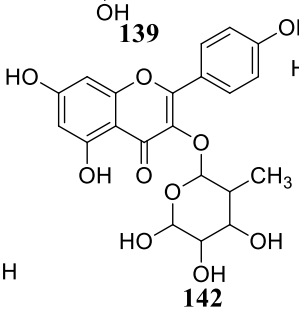
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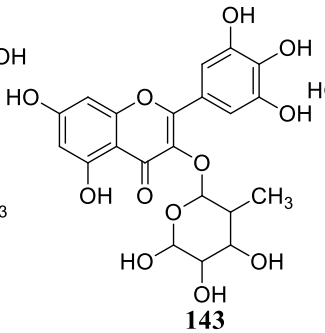
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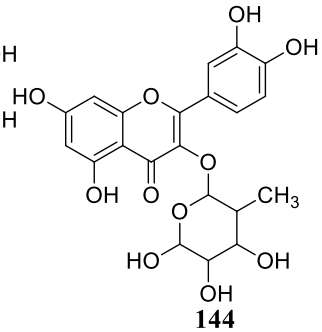
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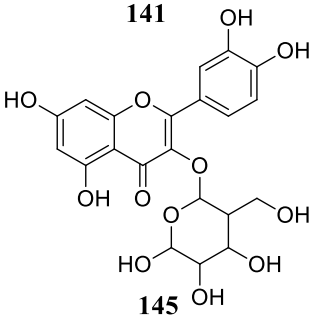
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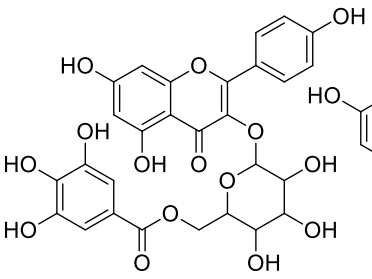
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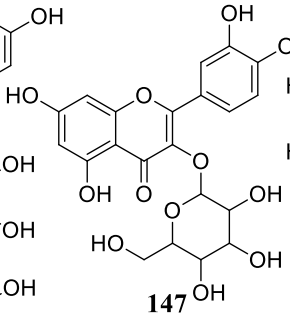
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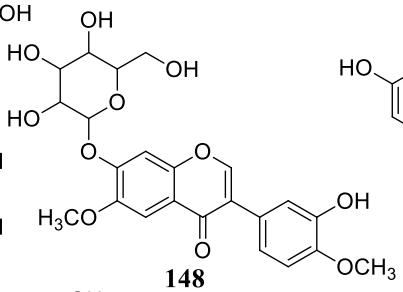
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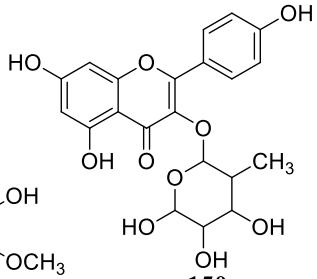
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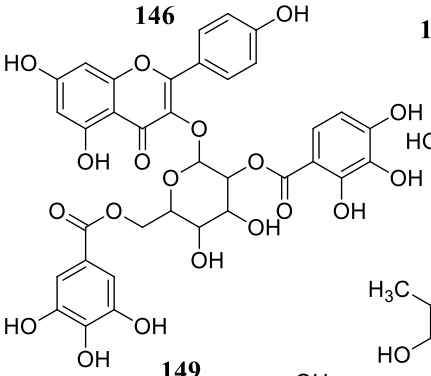
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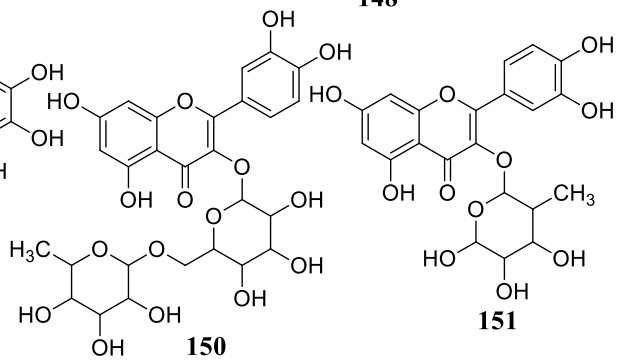
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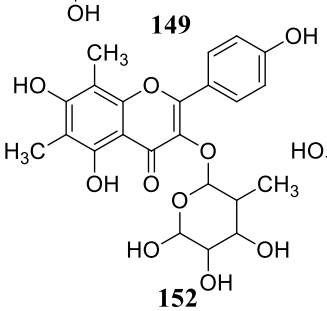


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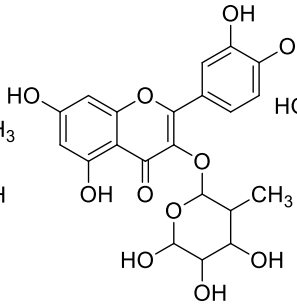


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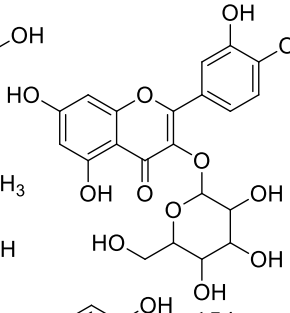
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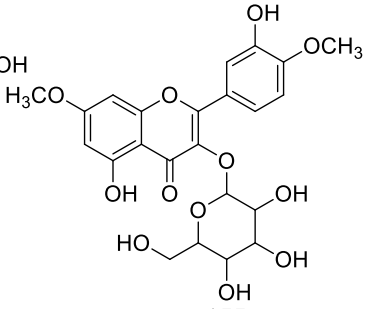
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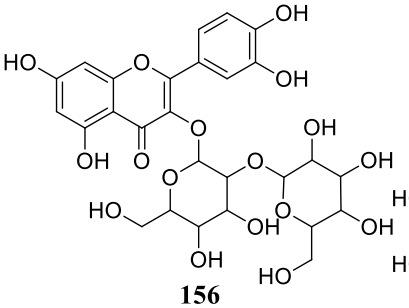
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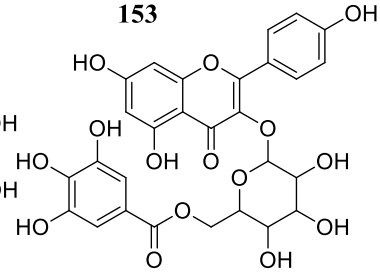
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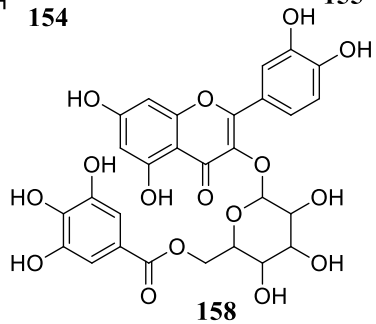
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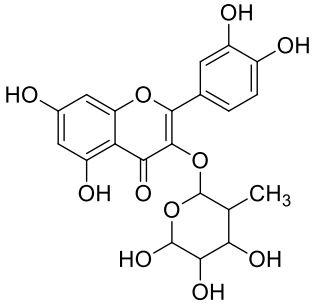
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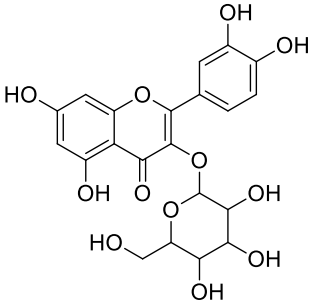
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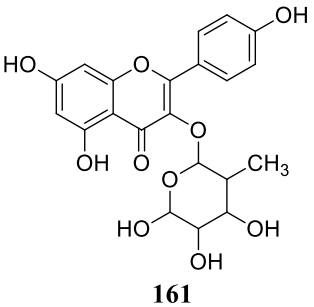
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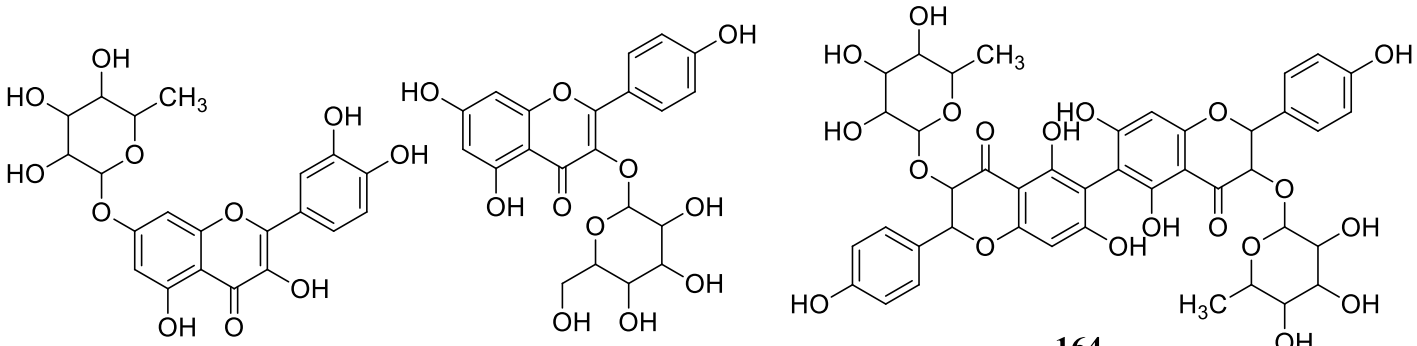


Figure S1. Chemical structures of bioflavonoids from genus *Bauhinia.*