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Synthesis of febrifuginol analogues and evaluation of their biological activities

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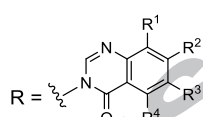
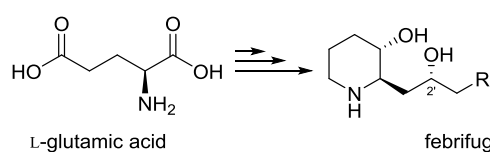


Graphical Abstract

Synthesis of febrifuginol analogues and evaluation of their biological activities

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- a: $R^1 = R^2 = R^4 = H$; $R^3 = Me$
- b: $R^1 = R^3 = Me$; $R^4 = R^2 = H$
- c: $R^1 = Br$; $R^2 = R^4 = H$; $R^3 = Me$
- d: $R^1 = Me$; $R^2 = R^4 = H$; $R^3 = Cl$
- e: $R^1 = R^4 = H$; $R^2 = R^3 = F$
- f: $R^1 = R^2 = R^4 = H$; $R^3 = OCF_3$
- g: $R^1 = R^2 = R^3 = OMe$; $R^4 = H$
- h: $R^1 = R^4 = H$; $R^2, R^3 = CH=CH-CH=CH$
- i: $R^1 = R^2 = R^3 = R^4 = H$

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