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New Atglistatin closely related analogues: synthesis and structure-activity relationship towards adipose triglyceride lipase inhibition

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Graphical abstract

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Pierre-Philippe Roy, Kenneth D'Souza, Miroslava Cuperlovic-Culf, Petra C. Kienesberger and Mohamed Touaibia*.

New Atglistatin closely related analogues were synthesized. Their effects on adipose triglyceride lipase activities were evaluated.

Series A

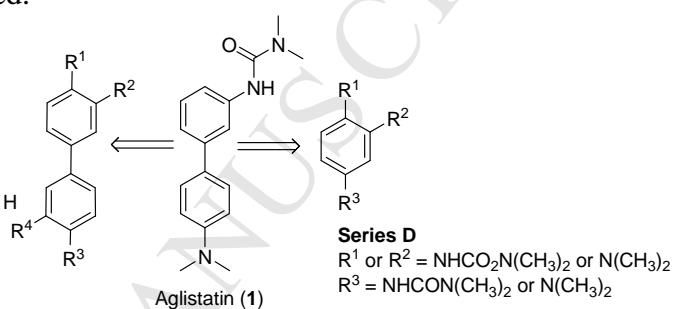
R^1 or $R^2 = \text{NHCON}(\text{CH}_3)_2$ or H; R^3 or $R^4 = \text{N}(\text{CH}_3)_2$ or H

Series B

R^1 or $R^2 = \text{N}(\text{CH}_3)_2$ or H; R^3 or $R^4 = \text{N}(\text{CH}_3)_2$ or H

Series C

R^1 or $R^2 = \text{NHCON}(\text{CH}_3)_2$ or H; R^3 or $R^4 = \text{NHCON}(\text{CH}_3)_2$ or H



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