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Quinoxaline derivatives as new inhibitors of coxsackievirus B5

Antonio Carta, Giuseppina Sanna, Irene Briguglio, Silvia Madeddu, Gabriella Vitale, Sandra Piras, Paola Corona, Alessandra Tiziana Peana, Erik Laurini, Maurizio Fermeglia, Sabrina Pricl, Alessandra Serra, Elisa Carta, Roberta Loddo, Gabriele Giliberti



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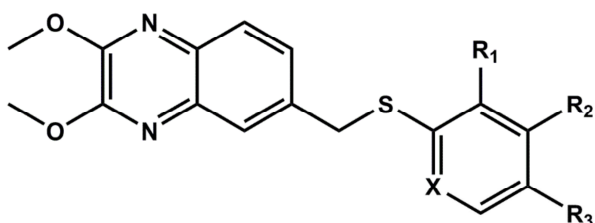
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QUINOXALINE DERIVATIVES AS NEW INHIBITORS OF COXSACKIEVIRUS B5

Antonio Carta, Giuseppina Sanna, Irene Briguglio, Silvia Madeddu, Gabriella Vitale, Sandra Piras, Paola Corona, Alessandra Tiziana Peana, Erik Laurini, Maurizio Fermeglia, Sabrina Pricl, Alessandra Serra, Elisa Carta, Roberta Loddo, Gabriele Giliberti

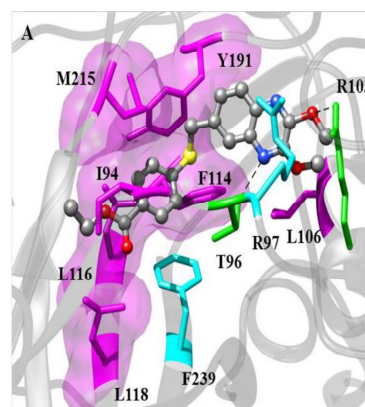


Potent activity against CV-B5

- 6) X = CH, R₁=H, R₂=H, R₃=COOEt
 7) X = CH, R₁=H, R₂=H, R₃=COOH
 8) X = N, R₁=H, R₂=H, R₃=COOEt

New quinoxaline derivatives emerged for their very potent antiviral activity against CV-B5.

Compound **6** inhibits the penetration, targeting the viral capsid protein VP1.



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