

# Accepted Manuscript

Synthesis, stability and mechanistic studies of potent anticryptococcal hexapeptides

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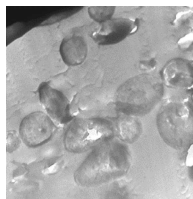
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## Graphical Abstract

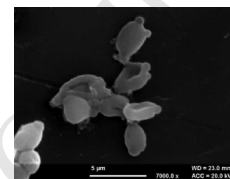
## Synthesis, stability and mechanistic studies of potent anticryptococcal hexapeptides

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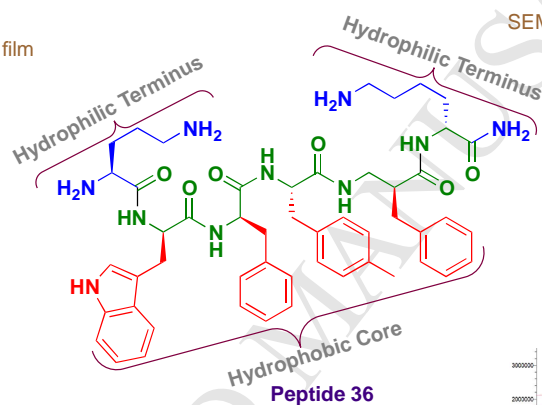
A series of hexapeptides containing non-proteogenic amino acids that exhibit potent inhibition of *C. neoformans* is reported.



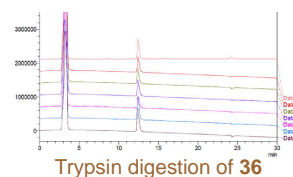
TEM image of *C. neoformans* film treated with **36**



SEM image of *C. neoformans* film treated with **36**



*C. neoformans*:  
 $IC_{50} = 0.4 \mu\text{g/mL}$ ; MIC = MFC =  $0.63 \mu\text{g/mL}$   
*C. krusei*:  
 $IC_{50} = 12.07 \mu\text{g/mL}$ ; MIC = MFC =  $20 \mu\text{g/mL}$   
*E. coli*:  
 $IC_{50} = 8.28 \mu\text{g/mL}$ ; MIC = MBC =  $20 \mu\text{g/mL}$



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