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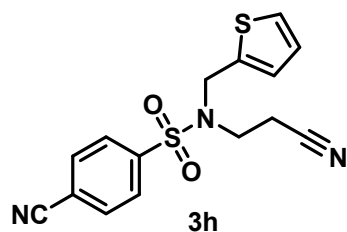
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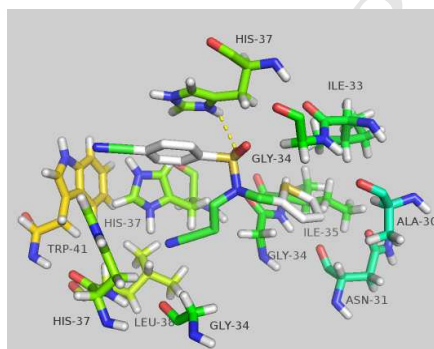
Synthesis and Structure-Activity Relationship Study of Arylsulfonamides as Novel Potent H5N1 Inhibitors

Yongshi Yu, Qi Tang, Zhichao Xu, Siliang Li, Mengyu Jin, Zixuan Zhao, Chune Dong, Shuwen Wu* and Hai-Bing Zhou*

A series of arylsulfonamide derivatives as novel potent H5N1 inhibitors for the influenza treatment were developed. The most potent compound **3h** displayed EC₅₀ value of 6.0 nM and selectivity index 33543.3.



H5N1 inhibitory activity:
EC₅₀ = 6 nM; CC₅₀ > 201 μM
SI > 33543



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