

# Review of: "Hemin as a novel candidate for treating COVID-19 via heme oxygenase-1 induction"

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The paper entitled "Hemin as a novel candidate for treating COVID-19 via heme oxygenase-1 induction" is a very interesting paper focused on a crucial topic.

But several issues should be addressed before publication:

- 1)Introduction: actually several anti-inflammatory compounds are in FDA-, EMA-approving phase and thus they should be cited. In addition other therapeutic strategies against pandemic COVID-19 should be mentioned in the introduction as, DOI: 10.3389/fphar.2020.578382, /10.3389/fphar.2021.652335
- 2) Results:When the authors write "HO-1 indirectly helped establish the antiviral state by interacting with IFN regulatory factor 3" they intend a direct interaction? Whiche are the basis of this interaction? More details on the mechanism of action and cellular pathways should be added