## EDP-235, an Oral, Once Daily, Ritonavir-Free, 3CL Protease Inhibitor for the Treatment of COVID-19: Results from Phase 1 Study in Healthy Subjects

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ID\# 524


## DISCLOSURES

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K. Melchios is an employee of $\mathbf{I C O N}$ plc, which was contracted by Enanta Pharmaceuticals, Inc. to conduct the study
Subject Disposition and Demographics

|  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - A total of subjects 72 were randomized; $n=40$ in SAD, $n=32$ in MAD <br> - Three subjects discontinued dosing during the study, $\mathrm{n}=1$ in MAD $400 \mathrm{mg}, \mathrm{n}=2$ in MAD 800 mg |  |  |  |  |  |  |  |
| The majority of subjects in the SAD phase were White or Black/African American, with a mean (range) age of 40 65) and BMI of 25 (19.0-30.0) |  |  |  |  |  |  |  |
| - Demographics for the MAD phase are su |  |  |  |  |  |  |  |
|  | $200 \mathrm{mg} \text { QD }$ | 400 mg QD | 400 mg Q | 800 mg Q | Placebo | Placebo | Overall |
| Male, $n$ (\%)Pas |  |  |  |  |  |  |  |
| Race, n |  |  |  |  |  |  |  |
| Black or Aficican American | 兂 | 5 (83.3) | 4 (66.7) | 1 (16.7) | 1 (25.0) | 1 (25.0) | 12 (37.5) |
| ${ }^{\text {Asian }}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| American Indian or Alaska Native | 0 | $\bigcirc$ | $\bigcirc$ | 0 | 0 | $\bigcirc$ | $\bigcirc$ |
| Multiple | 0 | 0 | 1 (16.7) | 0 |  | 0 | (3.1) |
| Ethnicity n (\%) |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Age (y) ${ }^{\text {a }}$ | $46.2(19,65)$ | $29.2(20,56)$ | 37.0 (20, 57) | 53.5 (36, 63) | 44.5 (32, 61) | 47.3 (26, 62) | $42.6(19,65)$ |
| BMI (kg/m ${ }^{\text {2 }}$ ) | 24.8 (21.8, 29.2) | 27.5 (24.7, 29.3) | 25.7 (22.5, 30.0) | 25.2 (21.2, 29.2) | $24.2(21.8,26.7)$ | $26.5(21.6,29.1)$ | 25.7 (21.2.30.0) |



RESULTS

## Safety Results

Overall, EDP- 235 was safe and well-tolerated in heathy subjects up to 400 mg once daily for 7 days
The major for days The majority of AEs
related symptoms
related symptoms
Three MAD dosing discontinuations resulted from one moderate headache in the 400 mg fasted cohort, one severe headache in the 800 mg fed cohort, and one grade 3 ALT/grade 2 AST elevation in the 800 mg fed cohort
There were no serious TEAEs


## CONCLUSIONS

EDP-235 was generally safe and well tolerated up to 400 mg once daily for 7 days in the fed (standard meal) and fasted state
EDP-235 was rapidly absorbed, and exposures increased with ascending single and multiple doses
Exposure was enhanced with food administration regardless of fat content EDP-235 exhibited PK supporting once daily dosing
$\mathrm{C}_{24}$ concentrations indicated strong multiples over the $\mathrm{EC}_{90}$ (up to 13 x for
A Phase 2 trial (SPRINT) of EDP-235 in non-hospitalized adults with mild or moderate COVID-19 is currently ongoing, with data expected in 1H2023

## REFERENCES

## Tang,T. .2021. EDP-235, A Potential Oral. Once-D.Dili A Antivial Treatment tand Preventativiv for CoviD-19. <br> International Society for Influenza and other Resposiriatory Virus Siseasess World Health Organization Conference, 19 - 21 Octooer 2021 , virual

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