

01/08/22

Plaxlovid & Molnupiravir

comparison chart

Use this chart to help familiarize yourself
with new COVID oral antiviral therapies.

COVID-19 Oral Antiviral Comparison Chart

01/08/2022

	<u>Paxlovid</u>	<u>Molnupiravir</u>
Age	12+	18+ (bone/cartilage damage in peds)
Indication	Treatment of mild-to-moderate COVID-19 (not post-exposure prophylaxis) in those at high-risk of developing severe COVID (must start w/in 5 days of symptom onset)	Treatment of mild-to-moderate COVID-19 (not post-exposure prophylaxis) in those at high-risk of developing severe COVID (must start w/in 5 days of symptom onset)
Dose/Administration	300mg nirmatrelvir (two 150mg tablets) with 100mg ritonavir (one 100mg tablet) - all three tablets taken together every 12 hours for 5 days with or without food	800 mg (four 200 mg capsules) taken orally every 12 hours for 5 days with or without food
Renal Dose Adjustment	Yes - eGFR \geq 30 to $<$ 60 mL/min: 150 mg nirmatrelvir (one 150 mg tablet) with 100 mg ritonavir (one 100 mg tablet); eGFR $<$ 30: not recommended	No
Total in box	30 tablets	40 capsules
MOA	Nirmatrelvir inhibits a COVID-19 protein to stop the virus from replicating; ritonavir slows down nirmatrelvir's breakdown to help it remain in the body for a longer period at higher concentrations.	Incorporates into the viral DNA, causing viral errors, which stops the virus from replicating.
Contraindications	Co-administration with certain CYP3A medications (e.g. alfuzosin, amiodarone, simvastatin, colchicine, midazolam), significant hypersensitivity to either drug	None
Drug Interactions	Several (reference EUA Fact Sheet for guidance on each)	None identified
Warnings	Several drug interactions, potential for hepatotoxicity, HIV-1 drug resistance	Embryo-fetal toxicity: not recommended for use during pregnancy (must use effective contraception for duration of treatment and for 4 days after the last dose), bone and cartilage toxicity: not authorized for use in patients less than 18 years of age because it may affect bone and cartilage growth
Adverse Reactions	Dysgeusia (distorted sense of taste), diarrhea, hypertension, and myalgia	Diarrhea, nausea, and dizziness
Missed Dose	Within 8 hours of scheduled dose: take >8 hours of scheduled dose: skip	Within 10 hours of scheduled dose: take >10 hours of scheduled dose: skip

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