

PAMORAS- Peripherally Acting Mu Opioid Receptor Antagonists

Medication	Dosing	Metabolism	Clinical Significance
<p>Methylnaltrexone (Relistor)</p> <p>Oral Tablet 150mg</p> <p>SubQ Solution: 8mg/0.4mL or 12mg/0.6mL</p> <p>Indication: OIC with advanced illness, OIC with chronic non-cancer pain*</p>	<p>OIC with chronic non-cancer pain*: 12 mg SC daily or 450 mg PO daily *Max one dose daily CrCl<60mL/min decrease dose to 150mg PO QD or 6mg SC.</p> <p>OIC with Advanced Illness based on weight*: < 38kg: 0.15 mg/kg subQ every other day as needed; 38kg-61kg: 8 mg subQ every other day as needed 62kg-114kg: 12 mg subQ every other day as needed; >114kg 0.15 mg/kg subQ every other day as needed * MAX one dose in a 24 hr period</p> <p>CrCl<30 mL/min: decrease dose by 50%</p>	<p>Phase 1 by CYP2D6</p> <p>Metabolites: Methyl-6-naltrexol isomers: Active Methylnaltrexone sulfate: Weakly active</p>	<p>Weak inhibitor of CYP2D6, no dose adjustments necessary for CYP2D6 substrates</p>
<p>Naloxegol (Movantik)</p> <p>Oral tablet 12.5mg & 25mg</p> <p>Indication: OIC with chronic non-cancer pain*</p>	<p>25 mg QAM on an empty stomach If poor toleration decrease to 12.5 mg PO QD *Max 25mg daily</p> <p>CrCl <60 mL/min: 12.5 mg daily</p>	<p>Phase 1 by CYP3A4 & P-gp</p> <p>Human metabolism data suggests absence of major metabolites</p>	<p>Use is contraindicated with strong 3A4 inhibitors. Reduce dose to 12.5 mg with moderate 3A4 inhibitors. Avoid grapefruit juice</p>
<p>Naldemedine (Symproic)</p> <p>Oral Tablet: 0.2 MG</p> <p>Indication: OIC with chronic non-cancer pain*</p>	<p>0.2 mg daily</p>	<p>Phase 1 by CYP3A4, P-gp, & UGT1A3</p> <p>CYP 3A4 –to: nor-naldemedine UGT1A3- to: naldemedine 3-G.</p>	<p>Monitor with moderate inhibitors/inducers of CYP3A4. Strong inhibitors therapy should be monitored. Do not combine with strong CYP3A4 inducers. -Nor-naldemedine and naldemedine 3-G have been shown to have antagonistic activity for opioid receptors, with less potent effect than naldemedine.</p>
<p>Alvimopan (Entereg)</p> <p>Oral Capsule: 12 mg REMS drug</p> <p>Indication: Postoperative ileus</p>	<p>Post-Operative Ileus: 12 mg PO 30 minutes-5 hours prior to surgery and 12 mg BID for up to 7 days</p> <p>*MAX 15 doses **used inpatient only due to MI risk ***Not FDA approved for OIC</p>	<p>Unknown</p>	

Axelopran is still in Phase-3 clinical trials for approval as a PAMORA for use in OIC FDA approved for OIC

Lubiprostone (Amitiza) Oral capsule: 8 mcg and 24 mcg Indication: chronic idiopathic constipation, IBS-C, OIC	Constipation: 8 mcg BID with food and water Idiopathic constipation or OIC: 24 mcg BID with food and water *MAX 24 mcg BID	Carbonyl reductase	Lubiprostone concentration may be decreased with concurrent methadone use
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Abbreviations: OIC: opioid induced constipation; IBS-C: irritable bowel syndrome with constipation

*OIC with chronic non-cancer pain: can be for patients with prior cancer or with current cancer pain as long as they are not receiving frequent (weekly) opioid dosage escalation.

Developed by Abigail Graffam, Doctor of Pharmacy Candidate 2018, Western New England University & Megan Meyer, Doctor of Pharmacy Candidate 2018, Albany College of Pharmacy and Health Sciences
Reviewed and edited by Dr. Jeffrey Fudin

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