Sodium Thiosulphate

<table>
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<tr>
<th>Indication</th>
<th>Management of calciphylaxis (unlicenced indication)</th>
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| **Dosage and administration** | **FIRST DOSE**  
Pre-treat with ondanstron 4mg IV 30 minutes prior to infusion.  
Give **12.5g** sodium thiosulphate IV over the last 30 minutes of dialysis.  
Infuse into venous limb of dialysis circuit.  
Flush giving set with 0.9% sodium chloride once vial empty to ensure full dose is given.  
Monitor for side effects (see below)  

**SUBSEQUENT DOSES**  
Pre-treat with ondanstron 4mg IV 30 minutes prior to each infusion.  
Give **25g** sodium thiosulphate IV over the last 60 minutes of each dialysis thereafter. |
| **Side effects** | **Hypotension** - monitor BP throughout infusion. Usually only predicted following rapid infusion of large doses and should be self-limited and transient.  

**Nausea & vomiting** - give ondansetron as above. Continued nausea may require infusion being given over a longer period of time (e.g. over full dialysis session) or dose reduction.  

Other reported side effects (from case reports):  
Metabolic acidosis (correct on dialysis), Sinus congestion  
Headache |
| **Reconstitution instructions** | No reconstitution necessary |
| **Additional information** | Continue course indefinitely and according to response.  
No dose adjustment required for renal or hepatic impairment. |
| **Concentration/strength** | Sodium thiosulphate 50% (12.5g in 50mls) (unlicenced product) |
| **Monitoring** | Continual blood pressure monitoring throughout test dose and first full dose (can be less frequent with subsequent doses if hypotension is not a problem)  
U&Es plus calcium and phosphate- before 1<sup>st</sup> and 2<sup>nd</sup> doses, weekly thereafter.  
PTH- monthly |