

# Drug Interaction Report for Healthcare Professionals

For the following 3 medications:

- **Divalproex Sodium Gastro-resistant tablet**
- **Ribavirin Oral tablet, Ribavirin Oral tablet**
- **Dasabuvir Oral tablet, Ombitasvir, Paritaprevir, Ritonavir Oral tablet**

## ● Level 1 (Severe)

(no results)

## ⊕ Level 2 (Major)

(5 results)

### Drug to Drug Interactions

#### **Dasabuvir and Valproic Acid**

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Dasabuvir may have its concentration decreased by Valproic Acid.

Concurrent administration of valproic acid with dasabuvir; ombitasvir; paritaprevir; ritonavir may result in altered valproic acid plasma concentrations and decreased concentrations of dasabuvir, ombitasvir, paritaprevir, and ritonavir. Valproic acid is an inducer of the drug transporter P-glycoprotein (P-gp) and an inhibitor/inducer of CYP3A4. Dasabuvir, ombitasvir, paritaprevir, and ritonavir are all substrates of P-gp, while ritonavir, paritaprevir, and dasabuvir (minor) are partially metabolized by CYP3A4. In addition, in a case report, possible ritonavir-mediated induction of valproic acid glucuronidation resulted in a decrease in valproic acid concentrations and efficacy. Caution and close monitoring are advised if these drugs are administered together.

#### **Ombitasvir and Valproic Acid**

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Ombitasvir may have its concentration decreased by Valproic Acid.

Concurrent administration of valproic acid with dasabuvir; ombitasvir; paritaprevir; ritonavir may result in altered valproic acid plasma concentrations and decreased concentrations of dasabuvir, ombitasvir, paritaprevir, and ritonavir. Valproic acid is an inducer of the drug transporter P-glycoprotein (P-gp) and an inhibitor/inducer of CYP3A4. Dasabuvir, ombitasvir, paritaprevir, and ritonavir are all substrates of P-gp, while ritonavir, paritaprevir, and dasabuvir (minor) are partially metabolized by CYP3A4. In addition, in a case report, possible ritonavir-mediated induction of valproic acid glucuronidation resulted in a decrease in valproic acid concentrations and efficacy. Caution and close monitoring are advised if these drugs are administered together.

#### **Paritaprevir and Valproic Acid**

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