



Overig	Stof	Effect
SPC Opsumit + EPAR Opsumit	macitentan + CYP3A4- remmers	<p>voorzichtigheid is geboden bij combinatie met krachtige CYP3A4-remmers.</p> <p>EPAR: no clinically relevant interactions were observed for macitentan and its active metabolite M6 with drugs that are inhibitors of CYP3A4. → GIC: EPAR wijkt af van SPC.</p> <p>EPAR p.48 - PK/PD results Pharmacokinetic analysis showed that exposure in terms of C<sub>trough</sub> to both ACT-064992 and ACT-132557 was dose-proportional over the dose range tested. Pharmacodynamic results showed a pronounced effect on endothelin-1 levels in the 3- and 10-mg ACT-064992 dose groups. When pharmacokinetic (PK) and SiDBP at trough data are included in a mathematical model, the 10 mg dose seemed to be close to the plateau of the pharmacological effect.</p> <p>Safety: In study AC-055-201 in patients with essential hypertension, there were five cases of increases in liver transaminases &gt;3×ULN, which led to the sponsor's decision to end the study earlier than planned.</p>
Weiss J. Eur J Pharmacol 2013;701:168-75.	macitentan	<p>in vitro studies:</p> <ul style="list-style-type: none"> <li>- induceert mRNA expressie van CYP3A4, P-glycoprotein (P-gp, ABCB1), solute carrier of organic anions 1B1 (SLCO1B1), en uridinediphosphate-glucuronosyltransferase 1A3 (UGT1A9).</li> <li>- remt P-gp, BCRP, SLCO1B1, en SLCO1B3; matige remmer van CYP3A4 en CYP2C19.</li> </ul> <p>In conclusion our data provide a comprehensive analysis of the interaction profile of macitentan with drug metabolising and transporting enzymes in vitro. Although macitentan has a similar or higher potency for induction and inhibition of drug metabolising enzymes and transporters than bosentan, its low plasma concentrations and minimal accumulation in the liver suggest that it will be markedly less prone to drug-drug interactions than bosentan.</p>

### Opmerkingen

WFG: actie Nee, kennelijk middel met grote therapeutische breedte, zie Atsmon 2013. De vraag is ook wat/hoe je zou moeten monitoren. Je mag verwachten dat de voorschrijver van macitentan weet waar deze op moet letten. Het is geregistreerd bij pulmonale arteriële hypertensie, maar wordt ook wel toegepast bij sclerodermie. Conform afspraak standaardlijst CYP3A4-remmers koppelen. Macitentan wordt door CYP3A4 (99%) omgezet.

Stockley, Hansten, PubMed: --

Risicogroep	
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	Interactie	Actie	Datum
Beslissing WFG	Ja	Nee	12 mei 2015