



## SGLT2 inhibitors: Indications, doses and licences in adults

Indications, doses and licences of SGLT2 inhibitors, by indication.								
Indication	Drug and dose	Initiate	Stop/reduce	Notes				
Insufficiently controlled type 2 diabetes (as an adjunct to diet and exercise)	Canagliflozin 100 mg Increase to 300 mg if required	eGFR ≥30* eGFR ≥60	Stop if eGFR persistently <30 and ACR ≤30 mg/mmol.* Can continue to dialysis/transplant if ACR >30 mg/mmol.* If using 300 mg, reduce to 100 mg if eGFR <60					
	Dapagliflozin 10 mg	eGFR ≥15*	No lower eGFR limit for continuation.* Specialist discussion as dialysis/transplant approaches					
	Empagliflozin 10 mg Increase to 25 mg if required	eGFR ≥60 <sup>†</sup> eGFR ≥60	If using 25 mg, reduce to 10 mg if eGFR $<$ 60 Stop if eGFR $<$ 45 $^{\dagger}$					
	Ertugliflozin 5 mg Increase to 15 mg if required	eGFR ≥45 eGFR ≥45	Stop if eGFR persistently <30*					
Diabetic kidney disease/chronic kidney disease (DKD/CKD)	Dapagliflozin 10 mg	eGFR ≥15 <sup>‡</sup>	No lower eGFR limit for continuation. Specialist discussion as dialysis/transplant approaches	Use with other CKD therapies With or without type 2 diabetes <sup>‡</sup> NICE TA775 and SMC2428 advise initiation in people with eGFR 25–75 and type 2 diabetes or ACR ≥22.6 mg/mmol (≥23 mg/mmol in SMC2428)				
Diabetic kidney disease (DKD)	Canagliflozin 100 mg	eGFR ≥30	Stop if eGFR persistently <30 and ACR <30 mg/mmol. Can continue to dialysis/transplant if ACR ≥30 mg/mmol	Add on to standard of care (e.g. ACEi or ARB) for DKD				
Symptomatic chronic heart failure	Empagliflozin 10 mg	eGFR ≥20	Stop if eGFR <20; should not be used in those with end-stage renal disease or on dialysis	With or without type 2 diabetes				
	Dapagliflozin 10 mg	eGFR ≥15	No lower eGFR limit for continuation. Specialist discussion as dialysis/transplant approaches	With or without type 2 diabetes				

eGFR presented in mL/min/1.73 m<sup>2</sup>.

ACEi=angiotensin-converting enzyme inhibitor; ACR=albumin:creatinine ratio; ARB=angiotensin receptor blocker; CVD=cardiovascular disease; eGFR=estimated glomerular filtration rate; T2D=type 2 diabetes.

Information correct on 11th January 2023. Licence amendments frequent – view most recent version.

Always consult the electronic BNF or the Summaries of Product Characteristics (SPCs) prior to prescribing any drug.

SPCs: Canagliflozin | Dapagliflozin | Empagliflozin | Ertugliflozin

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## Indications, doses and starting/stopping recommendations of SGLT2 inhibitors, by drug name.

Drug	Indication	Drug and dose	Initiate	Stop/reduce	Notes
Canagliflozin	Insufficiently controlled type 2 diabetes	Canagliflozin 100 mg Increase to 300 mg if required	eGFR ≥30* eGFR ≥60	Stop if eGFR persistently <30 and ACR ≤30 mg/mmol.* Can continue to dialysis/ transplant if ACR >30 mg/mmol.* Reduce to 100 mg if eGFR <60	*Licensed for initiation to eGFR ≥30 but reduced glucose lowering below eGFR 45; add another glucose-lowering drug if needed
	Diabetic kidney disease (DKD)	Canagliflozin 100 mg	eGFR ≥30	Stop if eGFR persistently <30 and ACR ≤30 mg/mmol. Can continue to dialysis/ transplant if ACR >30 mg/mmol	Add on to standard of care (e.g. ACEi or ARB) for DKD
Dapagliflozin	Insufficiently controlled type 2 diabetes	Dapagliflozin 10 mg	eGFR ≥15 <sup>†</sup>	No lower eGFR limit for continuation. <sup>†</sup> Specialist discussion as dialysis/transplant approaches	<sup>†</sup> Licensed for initiation to eGFR ≥15 but reduced glucose lowering below eGFR 45; add another glucose-lowering drug if needed
	Diabetic/chronic kidney disease (DKD/CKD)	Dapagliflozin 10 mg	eGFR ≥15 <sup>‡</sup>	No lower eGFR limit for continuation. Specialist discussion as dialysis/transplant approaches	Use with other DKD/CKD therapies With or without type 2 diabetes <sup>‡</sup> NICE TA775 and SMC2428 advise initiation in people with eGFR 25–75 and T2D or ACR ≥22.6 mg/mmol
	Symptomatic chronic HF	Dapagliflozin 10 mg	eGFR ≥15	No lower eGFR limit for continuation. Specialist discussion as dialysis/transplant approaches	With or without type 2 diabetes
Empagliflozin	Insufficiently controlled type 2 diabetes	Empagliflozin 10 mg Increase to 25 mg if required	eGFR ≥60¶ eGFR ≥60	Reduce to 10 mg if eGFR <60 Stop if eGFR <45¶	¶Licensed for initiation and continuation to eGFR ≥30 in those with T2D and established CVD, but reduced glucose lowering below eGFR 45; add another glucose-lowering drug if needed
	Symptomatic chronic HF	Empagliflozin 10 mg	eGFR ≥20	Stop if eGFR <20; should not be used in those with end-stage renal disease or on dialysis	With or without type 2 diabetes
Ertugliflozin	Insufficiently controlled type 2 diabetes	Ertugliflozin 5 mg Increase to 15 mg if required	eGFR ≥45 eGFR ≥45	Stop if eGFR persistently <30**	**Licensed for continuation to GFR ≥30 but reduced glucose lowering below eGFR 45; add another glucose-lowering drug if needed

eGFR presented in mL/min/1.73 m<sup>2</sup>.

ACEi=angiotensin-converting enzyme inhibitor; ACR=albumin:creatinine ratio; ARB=angiotensin receptor blocker; CVD=cardiovascular disease; eGFR=estimated glomerular filtration rate; HF=heart failure; T2D=type 2 diabetes.

Information correct on 11th January 2023. Licence amendments frequent – view most recent version.

Always consult the electronic BNF or the Summaries of Product Characteristics (SPCs) prior to prescribing any drug.

**SPCs:** <u>Canagliflozin</u> | <u>Dapagliflozin</u> | <u>Empagliflozin</u> | <u>Ertugliflozin</u>