Kadcyla®▼

trastuzumab emtansine

EU Healthcare Professional Information

Prevention of medication errors

For comprehensive product information please see the accompanying Summary of Product Characteristics (SPC). Over time, the product information is likely to change. These updates to the product information will be available at http://www.medicines.org.uk/emc.

This educational material is provided by Roche Products Limited and is mandatory as a condition of the Marketing Authorisation in order to further minimise important selected risks.

WARNING:

Risk of confusion between Kadcyla® and Herceptin® during the prescription, preparation and administration processes

Confusion can lead to overdose, undertreating and/or toxicity

Healthcare professionals should use both the invented name Kadcyla® and the full INN when prescribing, preparing the infusion and administering Kadcyla® to patients.

Kadcyla®:

Kadcyla® is an antibody–drug conjugate containing humanised anti-HER2 IgG1 antibody trastuzumab linked to DM1, a microtubule-inhibitory maytansinoid. **Emtansine refers to the combination of the linker and DM1**.

Indication

Kadcyla®, as a single agent, is indicated for the treatment of adult patients with HER2-positive, unresectable, locally advanced or metastatic breast cancer who previously received trastuzumab and a taxane, separately or in combination.

Patients should have either:

- Received prior therapy for locally advanced or metastatic disease, or
- Developed disease recurrence during or within 6 months of completing adjuvant therapy.

Kadcyla® and Herceptin® IV/ Herceptin® SC: Take care

1. Kadcyla® is an antibody-drug conjugate (ADC) containing humanised anti-HER2 IgG1 antibody trastuzumab and DM1, a microtubule-inhibitory maytansinoid; it is NOT trastuzumab.
2. Kadcyla® is NOT a generic version of Herceptin® and has different properties, indications and dose.
3. Do not substitute or combine Kadcyla® with or for Herceptin®.
4. Never administer Kadcyla® in combination with chemotherapy.
5. The maximum dose of Kadcyla® is 3.6 mg/kg once every 3 weeks.
6. If a prescription for Kadcyla® is written electronically, it is important to ensure that the medication prescribed is trastuzumab emtansine and not trastuzumab.
7. Both the invented name Kadcyla®, and its full INN name (trastuzumab emtansine) should be used and confirmed when prescribing, preparing the infusion solution and administering Kadcyla® to patients.
8. In order to prevent medication errors it is important to review the Summary of Product Characteristics and to check the outer carton and vial labels to ensure that the medicinal product being prepared and administered is Kadcyla® and not Herceptin®.

Kadcyla® and Herceptin® IV/Herceptin® SC:

IMPORTANT INFORMATION:

- Kadcyla® and Herceptin® are two **different** products with **different** active substances
- Kadcyla® and Herceptin® are not interchangeable
- Kadcyla® **(trastuzumab emtansine) is not** a generic version or biosimilar of Herceptin® (trastuzumab)
- Do not administer Kadcyla® in combination with trastuzumab or with a chemotherapy
- The maximum dose of Kadcyla® is 3.6 mg/kg once every 3 weeks.

Kadcyla® (trastuzumab emtansine)
and **Herceptin®** (trastuzumab) have similar generic names,
but important differences, including dosing and indication.

DO NOT ADMINISTER Kadcyla® **(trastuzumab emtansine)** in combination with or in place of Herceptin® **(trastuzumab).**

ALWAYS CONFIRM THE VIAL LABEL
TAKE CARE when dealing with prescriptions containing **trastuzumab**

Overview of Herceptin®, Herceptin® SC & Kadcyla®: Differences and similarities[1-3]

	Herceptin® trastuzumab	Herceptin® SC trastuzumab subcutaneous	Kadcyla® trastuzumab emtansine
Trademark			
Indication	HER2-positive BC HER2-positive MGC	HER2-positive BC	**HER2-positive MBC**
INN	trastuzumab	trastuzumab	**trastuzumab emtansine**
Dose (q3w)	8 mg/kg LD - 6 mg/kg	Fixed dose of 600 mg	**3.6 mg/kg**
Form	Powder	Solution	**Powder**
Vial content	150 mg	600 mg	**100 mg and 160 mg**
Vial size	15 ml	5 ml	**15 ml and 20 ml**

BC, breast cancer; LD, loading dose; MBC, metastatic breast cancer;
MGC, metastatic gastric or gastro-oesophageal junction adenocarcinoma

Kadcyla® and Herceptin® IV/Herceptin® SC: Risk: Similar INN

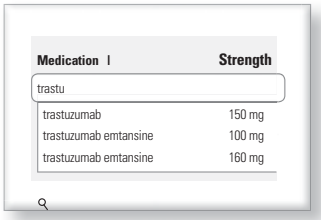
Potential for prescription errors

Written prescriptions: Potential areas of confusion

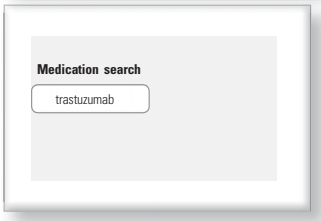
Both Kadcyla® and **trastuzumab emtansine** should always be used when prescribing.

For example: Kadcyla (trastuzumab emtansine)

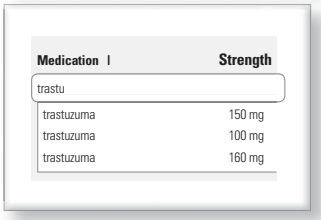
Electronic systems: Potential areas of confusion when prescribing



Alphabetical name sorting trastuzumab and **trastuzumab emtansine** may be positioned one after the other



Limited text field
If the system only displays part of the medication name in its drop-down menu or text window (e.g. "trastuzumab" for Herceptin® and Kadcyla®)



Name truncation
If the system only displays part of the medication name in its drop-down menu or text window (e.g. "trastuzumab" for Herceptin® and Kadcyla®)

Avoiding errors: Physician/prescription phase

Potential mitigation measures

- ✔ Prescribers must familiarise themselves with the Kadcyla® SPC
- ✔ Refer to Kadcyla® and **trastuzumab emtansine** when discussing the drug with the patient
- ✔ Electronic systems
  - Check correct medication before clicking
  - Always select the correct medication in the electronic medical record
  - Ensure the medication prescribed is Kadcyla®, **trastuzumab emtansine**, and not trastuzumab
  - Request use of brand names, where possible
- ✔ Written prescriptions
  - Ensure that both Kadcyla® and **trastuzumab emtansine** are written on the prescription and in the patient notes

For example: Kadcyla (trastuzumab emtansine)

ALWAYS CONFIRM THE VIAL LABEL
TAKE CARE when dealing with prescriptions containing **trastuzumab**

Avoiding errors: Pharmacists/preparation phase[1-3]

Trademark	Herceptin® trastuzumab	Herceptin® SC trastuzumab subcutaneous	Kadcyla® trastuzumab emtansine	
Content	150 mg	600 mg	**100 mg**	**160 mg**
Carton image & colours				
Label colours				
Cap colour				
Distinctive colours	Dark orange/ red	Dark orange/ light blue	Yellow/ white	Yellow/ purple

Risk: Commercial Appearance

Healthcare professionals should check vial labels, including colour of labels, to ensure that the medicinal product being prepared and administered is Kadcyla® (trastuzumab emtansine) and not Herceptin® (trastuzumab). Always make sure that when trastuzumab emtansine is written it is on the same line/together.

Avoiding errors: Pharmacists/preparation phase

Potential mitigation measures

- ✔ Pharmacists must familiarise themselves with the Kadcyla® SPC
- ✔ Check that protocols to avoid medication errors are in place at the hospital/site and that they are followed
- ✔ Be aware when reading prescriptions that there are three types of medication with a similar INN **(trastuzumab, trastuzumab** SC and **trastuzumab emtansine**)
- ✔ Double check the intended medication is Kadcyla®, **trastuzumab emtansine**, and that both are entered in the prescription and/or medical history
- ✔ In case of any doubt, consult with the treating physician
- ✔ Familiarise yourself with the different cartons, labels and cap colours to select the correct carton
- ✔ Ensure the correct medication is ordered from the wholesaler and that the correct medication is received in the pharmacy
- ✔ Store Kadcyla® in a different place in the fridge to Herceptin® IV and Herceptin® SC

Risk: Similar Infusion bags

Healthcare professionals should check vial labels, including colour of labels, to ensure that the medicinal product being prepared and administered is Kadcyla® (trastuzumab emtansine) and not Herceptin® (trastuzumab). Always make sure that when trastuzumab emtansine is written it is on the same line/together.

Avoiding errors: Nurses/administration phase

Potential mitigation measures

- ✔ Nurses must familiarise themselves with the Kadcyla® SPC. Ensure that protocols to avoid medication errors are in place at the hospital/site and that they are followed
- ✔ Check both the prescription and patient notes to ensure that Kadcyla® and **trastuzumab emtansine** have been recorded as the prescribed medication
- ✔ On receipt of the infusion bag, check the label on the infusion bag against the prescription **and** patient notes
- ✔ Consider using a two nurse double-checking system prior to infusion to ensure that the appropriate product and dosage is administered
- ✔ Refer to both Kadcyla® and **trastuzumab emtansine** when discussing the drug with the patient
- ✔ The maximum dose of Kadcyla® is 3.6 mg/kg once every 3 weeks.
- ✔ Familiarise yourself with the Kadcyla® dose modification for toxicities

Healthcare professionals should use both the invented name Kadcyla® and the full INN when prescribing, preparing the infusion and administering Kadcyla® to patients.

	AVOIDING MEDICATION ERRORS		
CHECK POINTS	**PHYSICIANS/** prescription phase	**PHARMACISTS/** ordering & preparation phase	**NURSES/** administration phase
Familiarise yourself with the full Kadcyla® SPC	✔	✔	✔
Ensure that both the brand name and INN are written in full	✔	✔	✔
Select correct medication electronically	✔		
Always use brand names + INN	✔	✔	✔
Consider using Kadcyla® -specific stickers	✔	✔	✔
Use Kadcyla®-specific storage bins/labels		✔	✔
Use Kadcyla®-specific IV bag labels		✔	✔
Check vials have the yellow coloured labels specific to Kadcyla®		✔	✔
Check labels read "trastuzumab emtansine" and are yellow in colour		✔	✔
Record administered drug in patient file		✔	✔
Record prescription in patient file	✔		

Ensure familiarisation with SPC, packaging, labelling and identification strategy

References

1. Kadcyla® Summary of Product Characteristics
2. Herceptin® Solution for Injection in Vial Summary of Product Characteristics
3. Herceptin® Powder for Concentrate for Solution for Infusion Summary of Product Characteristics

▼**This medicinal product is subject to additional monitoring.**

This will allow quick identification of new safety information. Healthcare professionals are asked to report any suspected adverse reactions. Reporting forms and information can be found at www.medicinesauthority.gov.mt/adrportal. Adverse events should also be reported to Roche Products Ltd. Please contact Roche Drug Safety Centre by emailing welwyn.uk_dsc@roche.com or calling +44 (0)1707 367554.

As Kadcyla® is a biological medicine, healthcare professionals should report adverse reactions by brand name and batch number.

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