

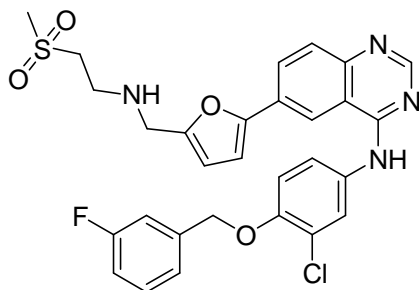
SYMANSIS™

Product Data Sheet

Compound Name

Lapatinib

Structure



CAS Number

[231277-92-2]

Chemical Formula:

C₂₉H₂₆ClFN₄O₄S

Molecular Weight:

581.06

Background information

Mode of Action	Tyrosine kinase inhibitor
Predominant Target(s)	EGFR, ErbB-2
Published Activity (not validated)	Enhances cytostatic and induces cytotoxic effects of GTC in two bladder cancer cell lines and inhibited phosphorylation of ErbB receptors and also reduced the level of phosphorylated AKT
Development stage	FDA approved

References

1. *Lapatinib, a dual inhibitor of ErbB-1/-2 receptors, enhances effects of combination chemotherapy in bladder cancer cells.* McHugh LA, Sayan AE, Mejlvang J, Griffiths TR, Sun Y, Manson MM, Tulchinsky E, Mellon JK, Kriahevskaja M. **Int. J. Oncol.** **34(4), 1155-63, 2009**
2. *Lapatinib Plus Capecitabine Resolved Human Epidermal Growth Factor Receptor 2-Positive Brain Metastases.* Glück S, Castrellon A. **Am. J. Ther.** **2009 [Epub ahead of print]**