

## Lapatinib ditosylate monohydrate

Catalog No: #S0078L

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Lapatinib ditosylate monohydrate
Brief Description	Inhibitors
Purification	98.00%
Target Name	EGFR inhibitor
Calculated MW	943.47
Formulation	C <sub>29</sub> H <sub>26</sub> ClF <sub>4</sub> N <sub>4</sub> O <sub>4</sub> S <sub>2</sub> (C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S) <sub>2</sub> H <sub>2</sub> O
Storage	3 years -20°C powder; 2 years -80°C in solvent;

## Product Description

## Research

Area: Cancer  
 SMILES: O.CC1=CC=C(C=C1)S(O)(=O)=O.CC1=CC=C(C=C1)S(O)(=O)=O.CC1=CC=C(C=C1)S(O)(=O)=O.CC1=CC=C(C=C1)S(O)(=O)=O.CS(=O)(=O)CCNCC1=CC=C(O1)C1=CC2=C(C=C1)N=CN=C2NC1=CC(Cl)=C(OCC2=CC(F)=CC=C2)C=C1.CS(=O)(=O)CCNCC1=CC=C(O1)C1=CC2=C(C=C1)N=CN=C2NC1=CC(Cl)=C(OCC2=CC(F)=CC=C2)C=C1  
 Pathways: Angiogenesis; JAK/STAT signaling; Tyrosine

Kinase/Adaptors/Receptor: EGFR; HER2/ErbB2  
 Boling pt: 750.7°C  
 Melting pt: 237-239°C  
 Solubility: Soluble in DMSO  
 Appearance: Colorless or Faint Yellow  
 Crystal  
 Remark: For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several month.

## References

1. Rusnak DW, et al. Mol Y Ther, 2001, 1(2), 85-94.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.