LKT Laboratories, Inc.

Erlotinib Hydrochloride

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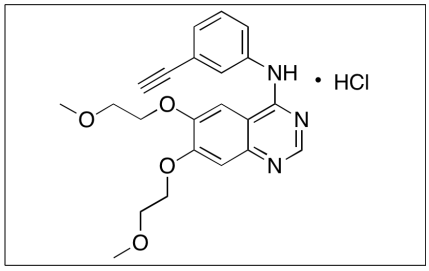
Product Information

Product ID E6846
CAS No. 183319-69-9
Chemical Name

Synonym



Formula $C_{22}H_{23}N_3O_4 \cdot HCl$
Formula Wt. 429.9
Melting Point 215-227°C
Purity ≥98%
Solubility DMSO (16 mg/mL) H2O

Bulk quanitites available upon request

Product ID	Size
E6846	10 mg
E6846	25 mg
E6846	100 mg
E6846	500 mg

Store Temp Ambient
Ship Temp Ambient

Description Erlotinib is an inhibitor of EGFR that exhibits anticancer chemotherapeutic benefit; it is currently in clinical trials for the treatment of colorectal cancer, non-small cell lung cancers (NSCLCs), and other advanced cancers. In NSCLC cells, erlotinib increases activation of p53 and AMPK and inhibits activity of mTOR, inducing autophagy. In other in vitro models of NSCLC, this compound upregulates expression of p27 and downregulates expression of skp2, inducing G1/S phase cell cycle arrest and inhibiting cellular growth. In animal models of pancreatic ductal adenocarcinoma, erlotinib inhibits MAPK signaling and increases overall survival rates. Additionally, in male mouse models of lung adenocarcinoma, erlotinib decreases tumor burden.

References

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