
Product Data Sheet

Product Name: Afatinib N-Oxide

Cat. No.: GC60568

Chemical Properties

Cas. No. 2413212-11-8

SMILES C1C=C(F)C=CC(NC2=NC=NC3=C2C=C(NC(/C=C/C[N+](C)([O-])C)=O)C(O[C@H]4CCOC4)=C3)=C1Formula C₂₄H₂₅ClFN₅O₄ M.Wt 501.94

Solubility Storage Store at -20°C

General tips 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 months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Afatinib N-Oxide is a impurity of Afatinib dimaleate in oxidative degradation. Afatinib dimaleate is an irreversible EGFR family inhibitor[1].

[1]. Pawan kumar, et al. A controlled, efficient and robust process for the synthesis of an epidermal growth factor receptor inhibitor: Afatinib Dimaleate. Chem Rep, 2019, 1(1): 3-12.

Caution: Product has not been fully validated for medical applications. For research use only.

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