

## PHYSICAL AND CHEMICAL PROPERTIES

**Product Name:** Afatinib dimaleate

**Catalog Number:** BCC1330

**Cas No.:** 850140-73-7

**Formula:** C32H33ClFN5O11

**M.Wt:** 718.08

**Purity:** >98%

**Physical Description:** N/A

**Synonyms:** BIBW 2992MA2; BIBW2992; Afatinib

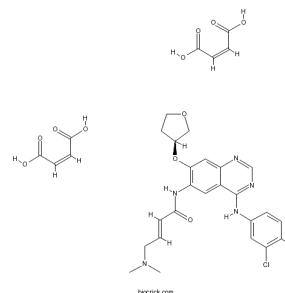
**Chemical Name:** (Z)-but-2-enedioic acid;(E)-N-[4-(3-chloro-4-fluoroanilino)-7-[(3S)-oxolan-3-yl]oxyquinazolin-6-yl]-4-(dimethylamino)but-2-enamide

**SMILES:** CN(C)CC=CC(=O)NC1=C(C=C2C(=C1)C(=NC=N2)NC3=CC(=C(C=C3)F)Cl)OC4CCOC4.C(=CC(=O)O)C(=O)O.C(=CC(=O)O)C(=O)O

**Solubility:** H2O : 50 mg/mL (69.63 mM; Need ultrasonic)

DMSO : ≥ 35 mg/mL (48.74 mM)

\*"≥" means soluble, but saturation unknown.



## STORAGE AND SHIPPING

**Storage:** Store the product in sealed, cool and dry condition.

**General tips:** For obtaining a higher solubility, please warm the tube at 37° and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20° for several months.

**Shipping Condition:** Ship with RT , or blue ice upon request

## INTENDED USE

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Others.

## CAUTION!

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most BioCrick products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure*

*that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

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