## **Certificate of Analysis**

## Mefatinib (free base)

Cat. No.: HY-152852
CAS No.: 1639014-72-4
Batch No.: 262504

Chemical Name: 2-Butenamide, N-[4-[(3-chloro-4-fluorophenyl)amino]-7-(difluoromethoxy)-6-quinazolinyl]-4-(di

methylamino)-, (2E)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{21}H_{19}ClF_3N_5O_2$ 

Molecular Weight: 465.86

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (HPLC): 99.40%

**Conclusion:** The product has been tested and complies with the given specifications.

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

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