

## LFM-A13

Cat. No. CEI-0966

Lot. No. (See product label)

### Introduction

#### Description

Potent and selective inhibitor of Bruton's tyrosine kinase (BTK). Inhibits recombinant BTK with an IC<sub>50</sub> = 2.5 uM and has no activity at other protein kinases (including JAK1, JAK3, HCK, EGFR kinase and insulin receptor kinase) at concentrations up to 300 uM.

#### Synonyms

2-Cyano-N-(2,5-dibromophenyl)-3-hydroxy-2-butenamide

### Product Information

#### Appearance

Yellow powder

#### CAS No.

62004-35-7

#### Molecular Formula

C<sub>11</sub>H<sub>8</sub>Br<sub>2</sub>N<sub>2</sub>O<sub>2</sub>

#### Molecular Weight

360.0

#### Purity

98% (TLC: 2:8 CH<sub>3</sub>OH:CH<sub>2</sub>Cl<sub>2</sub>; R<sub>f</sub>=0.53); NMR (Conforms)

#### Targets

BTK

#### Melting Point

145-146°C

#### Solubility

DMSO (10 mg/ml) and ethanol (15 mg/ml)