

## BIIB 021

Cat. No. CEI-0536

Lot. No. (See product label)

### Introduction

**Description** A synthetic, small molecule Hsp90 inhibitor that binds competitively with geldanamycin in the ATP-binding pocket of Hsp90. In tumor cells, BIIB021 induces the degradation of Hsp90 client proteins including HER-2, AKT, and Raf-1 and up-regulates expression of the heat shock proteins Hsp70 and Hsp27. BIIB021 inhibits the proliferation of N87, MCF-7, and BT474 tumor cells with IC50 values of 0.06, 0.31, and 0.14  $\mu$ M, respectively.

**Synonyms** CNF2024

### Product Information

**Appearance** Light pink solid

**CAS No.** 848695-25-0

**Molecular Formula** C 14 H 15 ClN 6 O

**Chemical Name** 6-Chloro-9-[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]-9H-purin-2-amine

**Molecular Weight** 645.83

**Purity** >95% by HPLC

**Targets** HSP90

**Solubility** DMSO (>10 mg/ml) or H<sub>2</sub>O (>10 mg/ml)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack