

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 μ M, respectively.

Synonyms CNF2024

Product Information

Appearance Light pink solid

CAS No. 848695-25-0

Molecular Formula C₁₄ H₁₅ Cl N₆ 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 H₂O (>10 mg/ml)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack