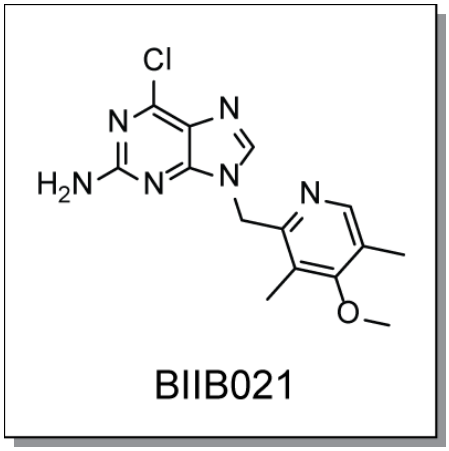
Product Specification Sheet

Product Name:	BIIB021
Catalog Number:	C2442-5 (powder) C2442-5s (10mM in DMSO)
Package Size:	5 mg



Technical information:

Chemical Formula:	$C_{14}H_{15}ClN_6O$
CAS #:	848695-25-0
Molecular Weight:	318.76
Purity:	>98%
Appearance:	White solid
Solubility:	Soluble in DMSO up to 50 mM
Chemical Name:	6-chloro-9-((4-methoxy-3,5-dimethylpyridin-2-yl)methyl)-9H-purin-2-amine
Storage:	Store solid powder at 4°C desiccated; Store DMSO solution at -20°C.

Handling:

- For C2442-5 (powder), add 1.569 mL of DMSO to make 10 mM solution.
- For C2442-5s, before open the vial, centrifuge the vial at 500rpm x 1 min in a 50 mL conical tube to ensure full sample recovery.

Biological Activity:

BIIB021 (also known as CNF2024) is a purine scaffold HSP90 inhibitor that binds to the ATP-binding pocket for HSP90 and blocks its chaperon function. HSP90 inhibition by BIIB021 leads to degradation of multiple oncogenic proteins and resulted in growth arrest and apoptosis. BIIB021 is the first synthetic HSP90 inhibitor entered clinical trials and was evaluated in advanced solid tumor, gastrointestinal stromal tumors, B-cell chronic lymphocytic leukemia.

Reference:

1. Lundgren K et al. BIIB021, an orally available, fully synthetic small-molecule inhibitor of the heat shock protein Hsp90. Mol Cancer Ther. 2009;8:921-929.
2. Taldone T et al. Targeting Hsp90: small-molecule inhibitors and their clinical development. Curr Opin Pharmacol. 2008;8(4): 370–374.

For Technical Support: technical@cellagentech.com

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