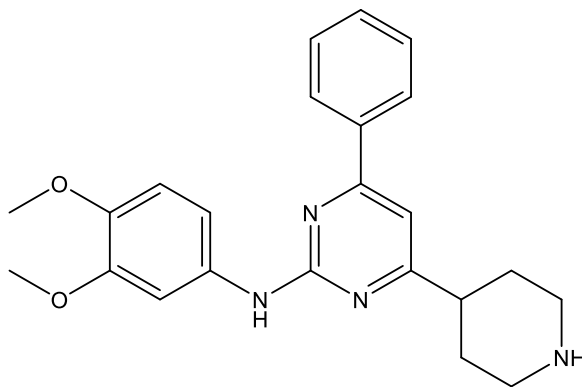


Catalog #10-4412

ARN25499

N-(3,4-Dimethoxyphenyl)-4-phenyl-6-(piperidin-4-yl)pyrimidin-2-amine

Lot # FBA9217



ARN25499 is a novel Cdc42 GTPase interaction inhibitor. It inhibits the interaction between Cdc42 and its downstream effectors (i.e PAK) instead of the Cdc42-GEF interaction. ARN25499 displayed activity against four melanoma cancer cell lines (IC₅₀s: SKM28 13.5 μM, SKMeI3 8.1 μM, WM3248 12.8 μM, A375 9.7 μM) and one colon cancer line (IC₅₀ = 11.2 μM SW480). It also displayed good pharmacokinetics in mice. ARN25499 also showed *in vivo* efficacy in melanoma PDX tumors in NSG mice @ 10mg/kg.

- 1) Brindani *et al.* (2024), *Discovery of CDC42 Inhibitors with a Favorable Pharmacokinetic Profile and Anticancer In Vivo Efficacy*, J. Med. Chem. **67** 10401

PHYSICAL DATA

Molecular Weight:	390.49
Molecular Formula:	C ₂₃ H ₂₆ N ₄ O ₂
Purity:	99% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (30 mg/mL)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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