



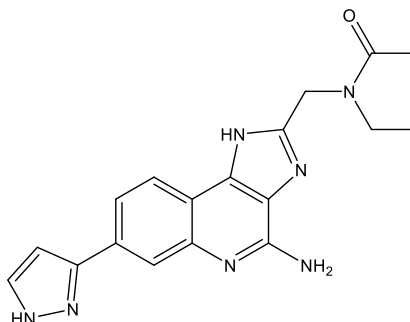
Catalog # 10-4419

BMS-986299

CAS# 2242952-69-6

N-[[4-Amino-7-(1*H*-pyrazol-5-yl)-3*H*-imidazo[4,5-*c*]quinolin-2-yl]methyl]-*N*-ethylacetamide

Lot # FBS5045



BMS-986299 is a first-in-class NLRP3 inflammasome agonist, active in humans and mice.¹ It induced IL-1 β with EC₅₀ = 0.5 μ M in human PBMCs. Alone or with checkpoint blockade (anti-PD-1 or anti-CTLA-4), BMS-986299 displayed significant antitumor activity *via* innate immune system activation in mouse syngeneic tumor models. It significantly promoted T-cell infiltration into the tumor microenvironment and displayed antitumor activity alone and in combination with nivolumab or ipilimumab in a phase 1 study of patients with various advanced solid tumors.²

- 1) Burke *et al.* (2018) *Preclinical characterization of BMS-986299, a first-in-class NLRP3 innate agonist with potent antitumor activity, alone and in combination with checkpoint blockade*; J. Immunother. Cancer. **6** Suppl 1 P524
- 2) Nelson *et al.* (2025) *Phase I study of BMS-986299, an NLRP3 agonist, as monotherapy and in combination with nivolumab and ipilimumab in patients with advanced solid tumors*; J. Immunother. Cancer. **13** e010013

PHYSICAL DATA

Molecular Weight:	349.40
Molecular Formula:	C ₁₈ H ₁₉ N ₇ O
Purity:	99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (20 mg/ml)
Physical Description:	White 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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