

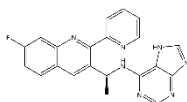
**PRODUCT: AMG-319**

**ALTERNATE NAMES:** AMG319; AMG 319; N-[(1S)-1-(7-fluoro-2-pyridin-2-ylquinolin-3-yl)ethyl]-7H-purin-6-amine; (S)-N-(1-(7-fluoro-2-(pyridin-2-yl)quinolin-3-yl)ethyl)-9H-purin-6-amine

**CATALOG#:** B1663-5, -25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>16</sub>FN<sub>7</sub>

**MOLECULAR WEIGHT:** 385.4

**CAS NUMBER:** 1608125-21-8

**APPEARANCE:** Solid powder

**SOLUBILITY:** DMSO

**PURITY:** >98%

**STORAGE:** Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term. Protect from air and light.

**DESCRIPTION:** AMG319 is a potent and selective PI3K $\delta$  inhibitor with IC<sub>50</sub> of 18 nM, also inhibits PI3K $\gamma$  with IC<sub>50</sub> of 850 nM.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**REFERENCES:**

- 1: Cushing TD et al. Discovery and in vivo evaluation of (S)-N-(1-(7-fluoro-2-(pyridin-2-yl)quinolin-3-yl)ethyl)-9H-purin-6-amine (AMG319) and related PI3K $\delta$  inhibitors for inflammation and autoimmune disease. J Med Chem. 2015 Jan 8;58(1):480-511.
- 2: Glenn M et al. First-in-human study of AMG 319, a highly selective, small molecule inhibitor of PI3K $\delta$ , in adult patients with relapsed or refractory lymphoid malignancies. Blood, 2013, 122(21): 678-678.

**RELATED PRODUCTS:**

- APY-0201 (Cat. No. 9564-5,25)
- AS-604850 (Cat. No. 2339-1, 5)
- BAG956 (Cat.No. 2456-5, 25)
- BAY 80-6946 (Cat. No. B1267-5,25)
- BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)
- CAL-101 (Cat. No. 2613-5, 25)
- GDC-0941 bismesylate (Cat. No. 1623-1, 5)
- Deforolimus (Cat. No. 1587-5, 25)
- DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)
- GDC-0941 (Cat. No. 1623-1,5)
- GSK-263771 (Cat. No. 2793-5, 25)
- IC87114 (Cat. No. 1661-1)
- IPI-145 (Cat. No. 2445-5, 25)
- LY 294002 (Cat. No. 1667-5, 25)
- NVP-BKM120 (Cat. No. 2619-5, 25)
- mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)
- OSU-03012, hydrochloride (Cat. No. 2295-5, 25)
- PI-103 (Cat. No. 1728-1,5)
- PIK-294 (Cat. No. 2614-5, 25)
- PI3-Ky Inhibitor, AS-605240 (Cat. No. 1780-1,5)
- PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor panel (Cat. No. K857-11)
- PP242 (Cat. No. 1658-1)
- PX-866 (Cat. No. 1965-1, 5)
- Rapamycin (Cat. No. 1568-5, 50)
- SAR260301 (Cat. No. B1263-5,25)
- Temsirolimus (Cat. No. 1600-5, 25)
- TGX-115 (Cat. No. 1660-1)
- TGX-221 (Cat. No. 1781-1,5)
- Wortmannin (Cat. No. 1670-1)
- YM201636 (Cat. No. 2045-1, 5)
- XL147 (Cat. No. 9401-5, 25)
- TGX-115 (Cat. No. 1660-1)
- TGX-221 (Cat. No. 1781-1, 5)
- Wortmannin (Cat. No. 1670-1)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**