



## Product Information

**Product ID** A9435

**CAS No.** 319460-85-0

**Chemical Name** N-methyl-2-[[3-[(1E)-2-(pyridin-2-yl)ethenyl]-1H-indazol-6-yl]sulfanyl]benzamide

**Synonym**

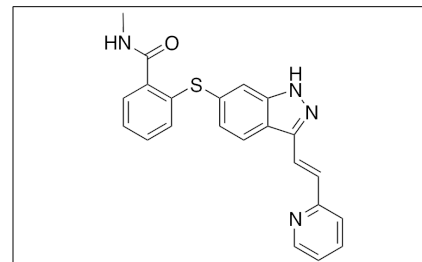
**Formula** C<sub>22</sub>H<sub>18</sub>N<sub>4</sub>OS

**Formula Wt.** 386.47

**Melting Point** 213-224 °C

**Purity** ≥98%

**Solubility**



**Bulk quantities available upon request**

Product ID	Size
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A9435	5 mg
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A9435	25 mg
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A9435	100 mg
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**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Axitinib is an inhibitor of VEGFR that exhibits anticancer chemotherapeutic and anti-angiogenic activities. Axitinib is currently in clinical trials as a potential treatment for renal cell carcinoma. In vitro, axitinib increases levels of CD8+ T cells and decreases levels of myeloid-derived suppressor cells, inhibiting proliferation and increasing apoptosis. In vivo, this compound inhibits expression of iNOS, arginase, IL-6, TNF- $\alpha$ , and IFN- $\gamma$ , increasing apoptosis and inhibiting tumor growth. In animal models of lung adenocarcinoma, axitinib decreases tumor vasculature and lesion growth.

**References** Zhang X, Fang X, Gao Z, et al. Axitinib, a selective inhibitor of vascular endothelial growth factor receptor, exerts an anticancer effect in melanoma through promoting antitumor immunity. *Anticancer Drugs*. 2014 Feb;25(2):204-11. PMID: 24135499.

Gross-Goupil M, François L, Quivy A, et al. Axitinib: A Review of its Safety and Efficacy in the Treatment of Adults with Advanced Renal Cell Carcinoma. *Clin Med Insights Oncol*. 2013 Oct 29;7:269-277. PMID: 24250243.

Majeti BK, Lee JH, Simmons BH, et al. VEGF is an important mediator of tumor angiogenesis in malignant lesions in a genetically engineered mouse model of lung adenocarcinoma. *BMC Cancer*. 2013 Apr 29;13(1):213. [Epub ahead of print]. PMID: 23627488.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.