

<b>Product Name</b>	: MAZ51
<b>Synonyms</b>	: —
<b>Cat No.</b>	: M21948
<b>CAS Number</b>	: 163655-37-6
<b>Molecular Formula</b>	: C <sub>21</sub> H <sub>18</sub> N <sub>2</sub> O
<b>Formula Weight</b>	: 314.38
<b>Chemical Name</b>	: —
<b>Description</b>	MAZ51 is a VEGFR-3 (Flt-4) tyrosine kinase inhibitor. MAZ51 is able to block the proliferation of VEGFR-3-expressing human endothelial cells and is less potently able to induce their apoptosis. MAZ51 also inhibits the proliferation and induces the apoptosis of a variety of non-VEGFR-3-expressing tumor cell lines. In vivo, MAZ51 significantly inhibits the growth of rat mammary carcinomas. These data establish MAZ51 as a compound with antitumor properties that inhibits tumor growth directly and also indirectly by interfering with tumor-host interactions.
<b>Pathway</b>	: Angiogenesis
<b>Target</b>	: VEGFR
<b>Receptor</b>	: VEGFR3
<b>Solubility</b>	: DMSO:3.33 mg/ml(10.59 mM; Need ultrasonic)
<b>SMILES</b>	: <chem>CN(C)c1ccc(C=C2C(=O)Nc3ccccc23)c2ccccc12</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:

1. Kirkin V, et al. MAZ51, an indolinone that inhibits endothelial cell and tumor cell growth in vitro, suppresses tumor growth in vivo. Int J Cancer. 2004 Dec 20;112(6):986-93.